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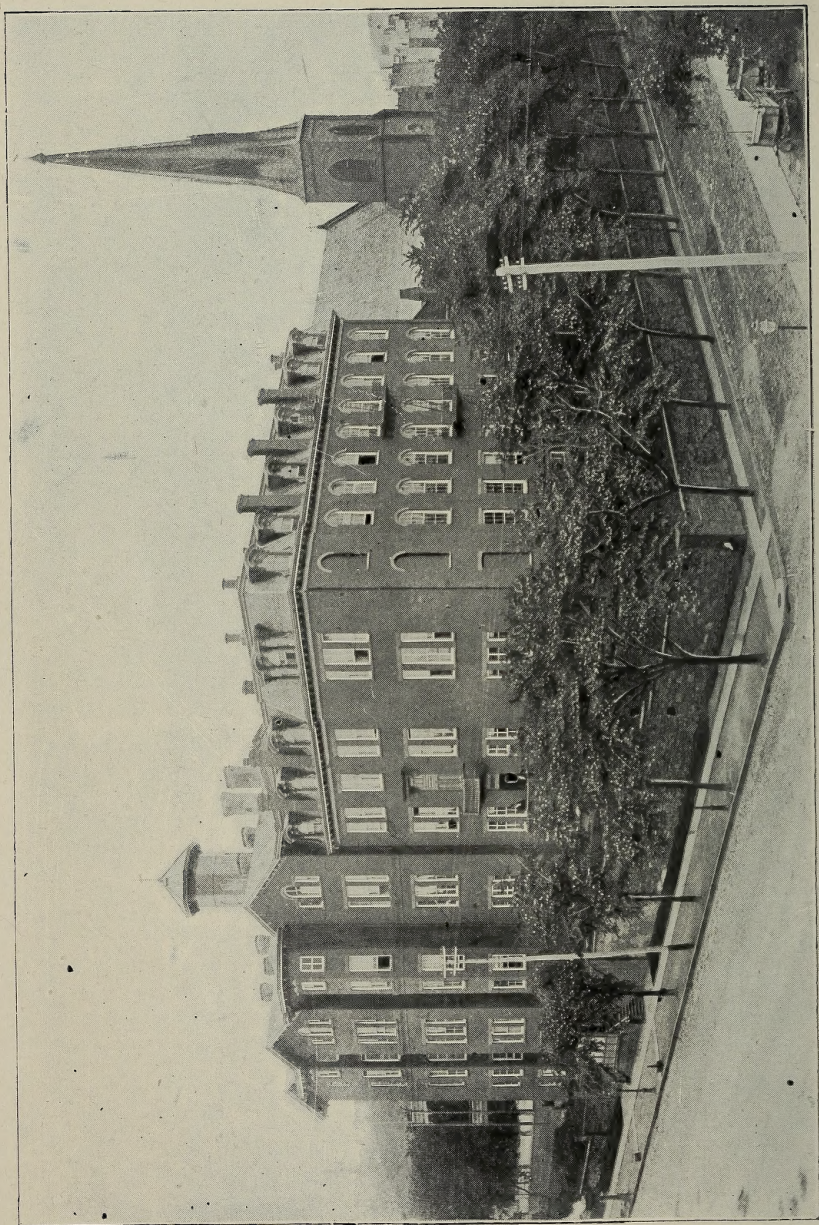


MANHATTAN
COLLEGE
NEW YORK CITY

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CATALOGUE
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MANHATTAN COLLEGE, AS SEEN FROM THE BOULEVARD

Thomas Arthur Clark

UNIVERSITY OF THE STATE OF NEW YORK

MANHATTAN COLLEGE

BROADWAY AND 13TH STREET

NEW YORK

CONDUCTED BY

THE BROTHERS OF THE CHRISTIAN SCHOOLS

1902-1903

OFFICERS OF THE COLLEGE

BROTHER JOSEPH
CHAIRMAN OF BOARD OF TRUSTEES

BROTHER JEROME
PRESIDENT

BROTHER JOHN CHRYSOSTOM
REGISTRAR

BROTHER POTAMIAN
SECRETARY

BROTHER ANGELUS
TREASURER

CALENDAR FOR 1903-04.

1903.

- September 7.—Monday—Entrance Examinations.
September 8.—Tuesday—Class Exercises begin.
September 24.—Thursday—Mass of Invocation.
October 5.—Monday—College Societies reorganize.
October 5.—Monday—Annual Retreat begins.
October 14.—Wednesday—Fall Games.
October 20.—Tuesday—Winter Course of Lectures begins.
November 1.—Sunday—All Saints.
November 3.—Tuesday—Election Day—Holiday.
November 26.—Thursday—Thanksgiving Day—Holiday.
December 8.—Tuesday—Immaculate Conception—Holiday.
December 18.—Friday—Seniors' Day.
December 23.—Wednesday—Christmas Recess begins.

1904.

- January 4.—Monday—Christmas Recess ends.
January 12.—Tuesday—Winter Lectures resumed.
January 18.—Monday—Examinations begin.
February 1.—Monday—Second Term begins.
February 12.—Friday—Juniors' Day.
February 22.—Monday—Washington's Day—Contest in Oratory—Holiday.
March 17.—Thursday—St. Patrick's Day—Holiday.
April 2.—Saturday—Easter Recess begins.
April 11.—Monday—Class Exercises resumed.

- May 4.—Tuesday—Examination in Pedagogy for the Lavelle Medal.
- May 15.—Sunday—Feast of St. De La Salle. Contest in Oratory for the Grady Memorial Medal.
- May 30.—Monday—Decoration Day—Memorial Services for Deceased Alumni—Contest in Elocution for Academic Classes.
- June 2.—Thursday—Examinations begin.
- June 17.—Friday—Class Day.
- June 19.—Sunday—Baccalaureate Sermon.
- June 21.—Tuesday—Commencement Exercises.

MANHATTAN COLLEGE.

GENERAL STATEMENT.



MANHATTAN COLLEGE was opened in 1849 as an Academy for young men desiring advanced instruction. From its location in Canal street, it was transferred in 1853 to its present site where it was known as the Academy of the Holy Infancy. In 1863 the Institution was incorporated by the Regents of the University of the State of New York under the title of Manhattan College with power to confer the usual academic degrees.

A commanding site has been purchased at Van Cortlandt Park West for the erection of extensive buildings. With elevated situation and picturesque surroundings, it has the further advantage of easy access.

The College offers two departments of study, each comprising several courses leading to degrees. The aim of the Institution is not only to form the Christian gentleman and good citizen, but also to afford the several courses of study necessary for the various walks of life.

The Courses in the Arts Department lead to the degrees of Bachelor of Arts and Master of Arts. The conditions for admission, together with the special studies pursued, will be found under their proper headings.

There are two courses in the Science Department, viz. : Civil Engineering and Architecture, which lead to the degrees of Bachelor of Science, Master of Science, Civil Engineer and Architect.

The importance of the natural and experimental sciences is emphasized in the courses given in physics, chemistry, geology and physiology. These courses are of special benefit to the intending student of medicine.

Of no less advantage for the prospective law-student are the

courses in logic, political and social science. For students who intend to embrace the teaching profession, there are courses in pedagogy and the history of education, as well as a special course in psychology. These courses are recognized by the Department of Public Instruction of the State of New York, and also by the Board of Education of New York City.

ACADEMIC
DEPARTMENT. Besides the College proper, there is an Academic Department, comprising a four years' course which prepares for the Freshman class. The grade of work is that of the ordinary high school.

COMMERCIAL
DEPARTMENT. The Commercial department provides for the wants of young men who intend to engage in mercantile pursuits. All the subjects necessary for a thorough business training are included in the programme.

PREPARATORY
DEPARTMENT. Boys of ten years and over who desire to prepare for the academic department and thereby for the College proper are received into the preparatory department. The studies are those of the best grade grammar schools. The pupils of this department have their special study hall, dining-room and recreation-room.

DISCIPLINE. As the College is conducted by a religious congregation, every attention is bestowed on the moral and religious training of the students. Christian doctrine is taught in all the classes, and the students are expected to be faithful and regular in the discharge of their religious duties. It is chiefly on moral influence and kindly advice that the College authorities rely to secure gentlemanly conduct and diligence in study. Although the College is Catholic in tone and teaching, it does not exclude non-Catholic students ; but good discipline requires that they conform to the general regulations.

The session begins on the second Tuesday in September and ends on the last Tuesday in June. It is divided into two terms, the first beginning on the second Tuesday in September and the second on the first day of February.

Students may attend either as day or as resident scholars, subject to such regulations as are necessary for the maintenance of good order and discipline.

The daily class session opens at 8.30 A.M. and ends at 3.30 P.M.,

on Monday, Tuesday, Thursday and Friday. There is a recess of one hour and a quarter at noon. On Wednesday and Saturday the session ends at noon. Punctual attendance is required of all students.

The Library contains 14,000 volumes, and additions are regularly made to keep the general reference section abreast of modern requirements.

The College museum contains collections for courses in mineralogy, geology, zoölogy, and botany.

The courses of study adopted by the institutions affiliated to Manhattan College agree with those pursued in the academic department of the College, and thus offer to students graduating from them the privilege of entering the College without further examination. Students from these institutions who desire advanced standing must satisfy the board of examiners that their previous studies qualify them for the class which they desire to enter.

MANHATTAN COLLEGE COMPRISES:

THE COLLEGE PROPER, consisting of :

a. THE ARTS DEPARTMENT.

b. THE SCIENCE DEPARTMENT.

THE ACADEMIC DEPARTMENT.

THE COMMERCIAL DEPARTMENT.

THE PREPARATORY SCHOOL.

THE AFFILIATED INSTITUTIONS :

CHRISTIAN BROTHERS' ACADEMY, Albany.

CHRISTIAN BROTHERS' ACADEMY, Syracuse.

DE LA SALLE INSTITUTE, New York City.

LA SALLE ACADEMY, NEW YORK CITY.

LA SALLE INSTITUTE, Troy.

LA SALLE ACADEMY, Providence.

SACRED HEART ACADEMY, Westchester.

ST. JOSEPH'S COLLEGIATE INSTITUTE, Buffalo.

ST. JOSEPH'S HIGH SCHOOL, Manchester.

ST. JAMES' HIGH SCHOOL, Brooklyn.

PRIZES AND MEDALS.

1. The Alumni Society offers every year a purse of fifty dollars for the best English essay written by the students of the Senior class. The test consists of two essays. ALUMNI PRIZE. The subject of the first is announced at the beginning of the month of October, and the essay must be presented not later than the second Tuesday of April. The subject of the second is announced when the candidates are assembled in the examination hall.

2. THE MILMO-MCGOWAN MEDAL for religious instruction, founded by Mrs. B. McGowan, in memory of her son Michael J. McGowan, '69, is open to all College students and embraces the matter of the four years' course in dogma, moral and church history. The examination takes place at the end of May.

3. THE KELLY MEDAL for philosophy, open to the students of the Senior class, was founded by the late Eugene Kelly, Esq., of New York City. This medal is awarded for proficiency in logic, metaphysics and psychology.

4. THE GRADY MEMORIAL MEDAL for oratory was founded by the Alumni Society in honor of Rev. John M. Grady, '69. Two contests are held: the preliminary, on the eve of Washington's Birthday, open to all College students; the final on the eve of the Feast of St. De La Salle, open to those who receive the highest marks in the first contest.

5. THE DEVELIN MEDAL for French, founded by Charles E. Miller, Esq., of New York City, in honor of his late friend, John E. Develin, Esq., is offered in competition to the students of the College classes, on the matter of the four years' course.

6. THE RIDDER MEDAL for German, the gift of Herman Ridder, Esq., is awarded to the student of the Junior class who has the highest record for the year.

7. THE HOGUET MEDAL for civil engineering, the gift of the late Chevalier Henry L. Hoguet, is awarded to the Senior science student who has the highest record for the year.

8. THE LAVELLE MEDAL for pedagogy, offered by the Rev. Michael J. Lavelle, LL.D., '73, Rector of St. Patrick's Cathedral, New York City, is awarded to the student who has the highest percentage for the year.

9. THE RIDDER PURSE of fifty dollars for experimental physics is offered by Herman Ridder, Esq., to the student of the Junior class who obtains the highest marks in this subject during the year.

10. THE MEDAL for the philosophy of history, donated by the Rev. Matthew A. Taylor, is awarded to the student of the Senior class who obtains the highest average in this subject.

Three scholarships for day students are awarded annually, the examination takes place in the first week of July.

The attention of friends and patrons is invited to the conditions necessary to found a scholarship. The amount required for a day student is fifteen hundred dollars ; and for a resident student, six thousand dollars. Students enjoying the privilege of a scholarship are expected to keep a satisfactory rank in their respective classes.

FEES.

Board, tuition, physician's fee, washing, per session of ten months,	\$350 00
Day Students ; Collegiate and Commercial Departments,	100 00
“ Academic Department,	75 00
“ Dinner at College,	60 00
Vacation at College,	50 00
Use of laboratory and apparatus,	10 00
Use of typewriter,	5 00
Use of library,	2 00
Music : piano, \$80 ; mandolin, \$50 ; violin, \$50.	
Graduation fee,	10 00
Certificate fee,	5 00

For the support of athletics the student body levies a tax of five dollars on every member of the respective classes.

Payment of the half session of five months is required in advance.

Remittances from outside New York City are to be made by draft or by post-office order, payable at station J.

NO MONEY WILL BE ADVANCED TO STUDENTS FOR CLOTHING OR OTHER INCIDENTALS UNLESS A SUFFICIENT SUM BE DEPOSITED WITH THE TREASURER TO MEET SUCH EXPENSES.

The pocket money of the students may be deposited with the treasurer.

No reduction will be made for absence, except in case of dismissal or protracted illness.

REQUIREMENTS FOR ADMISSION.

These requirements conform to the standards accepted by the Regents of the University of the State of New York.

I.—ENGLISH.—Candidates for admission to the Freshman class must pass a written examination in English, and no candidate will be accepted whose spelling, diction or division into paragraphs is notably defective.

READING.—A certain number of books is set for reading. The candidate will be required to present evidence of a general knowledge of the subject-matter, and to answer simple questions on the lives of the authors. The form of examination will usually be the writing of a paragraph or two on each of several topics, to be chosen by the candidate from a considerable number set before him in the examination paper. The treatment of these topics is designed to test the candidate's power of clear and accurate expression, and will call for only a general knowledge of the substance of the books. In place of a part or the whole of this test the candidate may present an exercise book, properly certified by his instructor, containing compositions or other written work done in connection with the reading of the book. In preparation for this part of the requirements, it is important that the candidate shall have been instructed in the fundamental principles of rhetoric.

The books selected for reading, are :

1903, 1904, 1905 : *Ivanhoe* ; *The Vicar of Wakefield* ; *The Sir Roger de Coverley Papers* ; *Ancient Mariner* ; *Essay on Burns* ; *The Princess* ; *Silas Marner* ; *Vision of Sir Launfal* ; *Merchant of Venice* ; *Julius Cæsar*.

STUDY AND PRACTICE.—This part of the examination presupposes the thorough study of each of the works named below. The examination will be upon subject-matter, form and structure. In addition, the candidate may be required to answer questions on the

essentials of English grammar, and on leading facts in those periods of English literary history to which the prescribed books belong.

The books selected for study and practice, are :

1903, 1904, 1905 : *Speech on Conciliation with America* ; *Essays on Milton and Addison* ; Milton's Minor Poems : *Lycidas*, *Comus*, *L' Allegro* and *Il Penseroso*.

2.—HISTORY.—The following courses of history may be presented: History of the United States and Civil Government, and (a) History of England, or (b) History of France, or (c) History of Greece and Rome.

The following works will serve to show the knowledge expected in History : Montgomery's *History of the United States* ; Anderson's *History of England* ; Montgomery's *History of France* ; Myers' *History of the Roman People* ; Myers' *History of Greece*.

3.—ALGEBRA.—Factors, fractions, ratio and proportion, evolution, radicals, equations of the first and second degrees, progressions, etc. The matter is equivalent to that covered by Wentworth's *School Algebra*.

4.—GEOMETRY.—Plane and Solid Geometry, with exercises and practical applications. Wentworth's *Plane and Solid Geometry*.

5.—PLANE TRIGONOMETRY, including the relations of the trigonometrical functions as ratios, proofs of important formulæ, theory of logarithms and use of tables, solution of right and oblique angled triangles.

The matter is equivalent to that covered by Wells' *New Plane Trigonometry*.

6. FRENCH.—Translation at sight of standard French prose. Grammar. Composition based upon the following books :

De Maistre, *Voyage autour de ma Chambre* ; Mairét, *La Tâche du petit Pierre* ; Halévy, *L'Abbé Constantin* ; Daudet, *Le Siège de Berlin*, and Mérimée, *Colomba*.

7. GERMAN.—Translation at sight of standard German prose. Grammar. Composition based upon the following books :

Hillern, *Höher als die Kirche* ; Hauff, *Das Kalte Herz* ; Freytag, *Die Journalisten* ; Storm, *Immensee*.

8. CHEMISTRY.—A course of at least sixty experiments made by the candidate, with note book certified by teacher.

The following will be accepted in place of French and German :

LATIN.—Grammar, Allen & Greenough's or equivalent, including prosody. Cæsar, *Gallic War*, Books I—IV. Cicero, six orations. Reading at sight of a short passage of easy Latin prose. Vergil, *Æneid*, Books I—VI. Latin prose composition.

GREEK.—Grammar, Goodwin's or equivalent, including prosody. Xenophon, *Anabasis*, Books I—III. Homer, *Iliad*, Books I—III. Greek prose composition, Jones', twenty exercises or equivalent.

A certificate of the Regents of the University of the State of New York will be received in lieu of the entrance examination, provided it has been issued within the year, or that the candidate has a certificate of continued study since its date of issue. The candidate will, however, be examined on such branches as are not included in the Regents' certificate.

REGENTS'
CERTIFICATE.

Students from affiliated institutions, on presentation of certificates testifying to satisfactory completion of the courses of studies in those institutions, will be admitted without further examination.

AFFILIATED
INSTITUTIONS.

Candidates desiring it may divide their examinations into two parts, one to be presented in June and the other in September of the *same* year.

TWO
EXAMINATIONS.

Candidates for advanced standing must pass the entrance examination and also satisfy the Board of Examiners of their knowledge of the subjects studied by the class up to the period of their application.

ADVANCED
STANDING.

Students failing in one or not more than two of the entrance subjects may be permitted to join the classes conditionally, but must satisfy the requirements within a prescribed time.

CONDITIONS.

Students presenting Latin and Greek for admission will be required to take a special course in French and German during the Freshman year, and will thereafter follow the regular programme.

LATIN AND
GREEK.

EXTRACT FROM THE COLLEGE BY-LAWS.

Every candidate for admission must present a certificate of good moral character ; and, if he come from another institution, a letter of honorable dismissal.

CERTIFICATE.

At the beginning of the first year, each student elects the course which he desires to follow, and no student may afterwards change his course without the per-

ELECTION.

mission of the Faculty.

Punctuality at all the exercises is strictly required. Lateness for a lesson will be counted half an absence. Students who are absent from the opening of either the

ATTENDANCE.

morning or the afternoon session will not be admitted to class without a note from the Inspector. No student who has exceeded the limit of absences for a given subject will be entitled to take examination in that subject.

Examinations are held semi-annually in January and June in all the subjects studied during the intervening period.

EXAMINATIONS.

Special examinations in any subject may be held at the option of the Professor in charge of that subject. Drawing and laboratory work count for half a recitation each.

Absence from an examination, unless excused by the Faculty, will be considered a failure.

Should a student fail in any one of the regular examinations, he may be permitted to take another examination at the opening of the following term, or at such time as may be agreed upon with his Professor ; but all such examinations must be supplied before the opening of the following school term.

Seventy per cent. of the marks in each subject constitutes a pass for both departments of the College.

N. B.—No course outlined in this catalogue, will be given unless there is a sufficient number of applicants.

The final standing of each student is determined by his examination results together with the average of his year's class-marks in each subject.

Every candidate for a degree is required to present a written thesis on a subject connected with his course. The subject selected must be submitted for approval to the Professor of the department to which it belongs, on or before February 1. Such help and guidance may be offered the candidate as the Professor shall judge right, and the completed thesis shall be handed in for approval on or before May 30.

Theses shall contain not less than two thousand words, unless the reasons adduced are satisfactory. Theses must be typewritten on paper 13x8 with an inner margin of an inch and a half. Science theses must be accompanied by the necessary drawings and illustrations. All approved theses become the property of the College and are placed in charge of the librarian.

If a student fail to present his thesis, or if the thesis be rejected, he shall not be recommended for his degree.

No degree or other testimonial will be conferred on any student who has not satisfactorily completed the prescribed courses.

At the discretion of the Faculty, a certificate of proficiency may be given to a student who has followed, under the direction of the Faculty, a special course of one or more subjects, and who gives evidence of satisfactory proficiency.

ARTS DEPARTMENT.

ARTS DEPARTMENT.

The Studies of this department for the Freshman, Sophomore and Junior years are prescribed ; but in the Senior year four elective courses are open to the student. It is likewise in the Junior year that aspirants to the teaching profession begin to specialize for their future work.

The lessons in literature, political science and philosophy are supplemented by the discussion of pertinent articles in the leading periodicals of America and Europe.

The conditions for admission will be found on page 12.

Students who successfully complete the requisite number of courses receive the degree of Bachelor of Arts.

For the degree of Master of Arts see page 37.

ARTS DEPARTMENT.

FRESHMAN CLASS.*

FIRST TERM.			SECOND TERM.		
FRENCH,	(4)	79	FRENCH,	(4)	79
GERMAN,	(4)	87	GERMAN,	(4)	87
ENGLISH,	(4)	64, 76	ENGLISH,	(6)	65, 72
HISTORY,	(2)	94	HISTORY,	(3)	95
MATHEMATICS,	(5)	109, 111	MATHEMATICS,	(2)	111
PHYSICS,	(2)	139	PHYSICS,	(2)	139
PHYSICAL			PHYSICAL		
LABORATORY,	(2)	139	LABORATORY,	(2)	139
CHEMISTRY,	(2)	21	CHEMISTRY,	(2)	21
CHEMICAL			CHEMICAL		
LABORATORY,†	(3)	21 A	LABORATORY†	(3)	21 A
ELOCUTION,	(1)	119	ELOCUTION,	(1)	119
RELIGION,	(2)	142	RELIGION,	(2)	142

SOPHOMORE CLASS.

FIRST TERM.			SECOND TERM.		
FRENCH,	(4)	80	FRENCH,	(4)	80
GERMAN,	(4)	88	GERMAN,	(4)	88
ENGLISH,	(6)	67, 69	ENGLISH,	(6)	74, 75
HISTORY,	(3)	96	HISTORY,	(3)	97
MATHEMATICS,	(3)	112	MATHEMATICS,	(3)	112
MECHANICS,	(3)	115	MECHANICS,	(3)	115
GEOLOGY,	(2)	84	GEOLOGY,	(2)	84
ELOCUTION,	(1)	120	ELOCUTION,	(1)	120
RELIGION,	(2)	143	RELIGION,	(2)	143

* The figures in parentheses indicate the number of hours per week, other figures indicate the paragraphs in which the course is outlined.

† After class hours.

JUNIOR CLASS.

FIRST TERM.			SECOND TERM.		
FRENCH,	(4)	81	FRENCH,	(4)	81
GERMAN,	(4)	89, 90	GERMAN,	(4)	89, 90
ENGLISH,	(5)	68, 66	ENGLISH,	(5)	66, 71
PHILOSOPHY,	(4)	127, 129	PHILOSOPHY,	(4)	128, 130
PHYSICS,	(3)	140	PHYSICS,	(3)	140
PHYSICAL			PHYSICAL		
LABORATORY,*	(2)	141	LABORATORY,*	(2)	141
ORATORY,	(1)	121	ORATORY,	(1)	121
RELIGION,	(2)	144	RELIGION,	(2)	144
ASTRONOMY,	(2)	13	ASTRONOMY,	(2)	13
PEDAGOGY,	(3)	123, 125	PEDAGOGY,	(3)	123, 125

* After class hours.

SENIOR CLASS.

ENGLISH,	(4)	77	ENGLISH,	(4)	70
PHILOSOPHY OF			PHILOSOPHY OF		
HISTORY,	(3)	105	HISTORY,	(3)	105
ONTOLOGY AND COS-			PSYCHOLOGY,	(4)	132, 137
MIC PHILOSOPHY,	(4)	131	HISTORY OF		
HISTORY OF			PHILOSOPHY,	(2)	138
PHILOSOPHY,	(2)	138	EPISTEMOLOGY,	(1)	133
ECONOMICS,	(2)	58	ECONOMICS,	(2)	59
ORATORY,	(1)	122	ORATORY,	(1)	122
NATURAL THEOL-			ETHICS,	(2)	136
OGY,	(2)	134, 135	FRENCH,	(3)	82
FRENCH,	(3)	82	GERMAN,	(3)	91, 92
GERMAN,	(4)	91			

ELECTIVES.

{ BIOLOGY,	(3)	17, 18	{ BIOLOGY,	(3)	17, 18
{ CHEMISTRY,	(3)	23, 24	{ CHEMISTRY,	(3)	23, 24
{ PRINCIPLES OF			{ SOCIOLOGY,	(3)	63
GOVERNMENT,	(3)	60	REPRESENTATIVE		
PUBLIC FINANCE,	(2)	61	GOVERNMENT,	(2)	62
{ AMERICAN HISTORY,	(2)	103	{ AMERICAN HISTORY,	(2)	103
HISTORY OF OUR			HISTORY OF OUR		
TIMES,	(1)	100	TIMES,	(1)	100
SPANISH,	(3)	147	SPANISH,	(3)	147, 148
PEDAGOGY,	(3)	124, 126	PEDAGOGY,	(3)	124, 126

PEDAGOGY.

The course in Pedagogy embraces logic, psychology, history of education, principles of education, theory and practice of teaching, and methods of teaching various subjects.

The regular College work in logic and psychology satisfies the requirements of this course ; the examinations in both these subjects are submitted for approval to the Superintendent of Public Instruction.

The examination in the history of education and the principles of teaching is held under the immediate direction of the State Superintendent.

Upon completing a satisfactory examination in the two last named subjects, the candidate receives a license to teach for three years, and if successful experience can be demonstrated at the end of that period, the provisional license may be exchanged for a life certificate to teach.

The main requisite is, that the candidate be a graduate from a college or university recognized by the Regents of the University of the State of New York, in which at least one year was spent in pedagogical study amounting to not less than 210 hours attendance upon lectures or recitations, as follows : logic or psychology, at least 90 hours ; history and principles of education and methods of teaching, at least 120 hours. In estimating the length of such courses, applicants about to graduate will be regarded as having completed their courses.

COURSES. The courses offered to the students in Pedagogy are :

JUNIOR YEAR.—Logic.

History of education.

Principles of teaching.

SENIOR YEAR.—Psychology.

Ethics.

Theory and practice of teaching.

Methods of teaching various subjects.

NOTES ON LAW AND MEDICINE.

In the interest of students who may wish, after graduation, to take up the study of law or medicine, the following notes are added :

ADMISSION TO THE BAR. An office clerkship is no longer required of young men applying for admission to the New York bar. The applicants must be at least eighteen years of age, in order to have their time of study counted toward the required period. If they are not graduates of a university or college in good standing, they must file with the clerk of the court of appeals a Regents' law student certificate.

College graduates may complete the prescribed law course in two years, while others require three.

The period of eighteen months of office clerkship required for admission is satisfied by an equal time spent in a New York law school.

ADMISSION TO A SCHOOL OF MEDICINE. Candidates for admission to a medical college must be at least eighteen years of age and present satisfactory evidence of moral character. If not graduates of a university or college in good standing, they must present a Regents' academic diploma or its equivalent.

SCIENCE DEPARTMENT.



SCIENCE DEPARTMENT.

The courses offered by the Science Department have for object to render young men familiar with the theoretical and practical work required of students who intend to follow some one of the various departments of engineering and architecture. The work is planned to give the student a liberal education, while enabling him after graduating to derive immediate profit from the practical experience of his professional career.

The following courses are offered :

CIVIL ENGINEERING.

ARCHITECTURE.

These courses cover a period of four years each, and demand a thorough preparation on the part of the student.

The course of civil engineering comprises surveying, road and railroad engineering, bridge engineering, hydraulics and water works, study of motors—air, steam and electrical.

CIVIL
ENGINEERING.

In the different courses the work is essentially theoretical and practical. The lectures of the class-room are supplemented by practical work in the field and by visits to places of interest in the vicinity.

The studies of the first year of this course are similar to those of civil engineering. In the second year, however, the branches pursued are more immediately connected with architecture. In the last year the work is, to a large extent, of a professional character. The subject of design and construction is studied in detail, and working drawings and estimates are made for original structures. The heating and ventilation of buildings receive special attention, while the many structures

ARCHITECTURE.

continually in course of erection allow ample facilities for inspection and comparison.

The reading and discussion of the principal scientific and technical journals form an essential feature of this department.

The studies of the four years lead respectively to the degree of Bachelor of Science in Civil Engineering.

Bachelor of Science in Architecture.

The conditions for admission are the same as for the Arts Department.

THE COURSE IN CIVIL ENGINEERING.

FRESHMAN CLASS.

FIRST TERM.			SECOND TERM.		
ALGEBRA,	(3)	109	ANALYTICAL GEOM-		
PHYSICS,	(2)	139	ETRY,	(3)	112
PHYSICAL LABORA-			PHYSICS,	(2)	139
TORY,	(2)	139	PHYSICAL LABO-		
SURVEYING,	(3)	28	RATORY,	(2)	139
CHEMISTRY,	(2)	21	SURVEYING,	(3)	28
CHEMISTRY, LABO-			CHEMISTRY,	(2)	23
RATORY WORK*	(3)	21A	CHEMISTRY, LABO-		
ENGLISH,	(4)	64, 76	RATORY WORK,*	(3)	21A
GERMAN,	(4)	87	ENGLISH,	(6)	65, 72
TRIGONOMETRY,	(2)	111	GERMAN,	(4)	87
DRAWING,*	(4)	48	DESCRIPTIVE GEOM-		
BOTANY,	(2)	85	ETRY,	(2)	51
ELOCUTION,	(1)	119	DRAWING,*	(4)	49
RELIGION,	(2)	142	ELOCUTION,	(1)	119
			RELIGION,	(2)	142

SOPHOMORE CLASS.

FIRST TERM.			SECOND TERM.		
MECHANICS,	(3)	115	MECHANICS,	(3)	115
CALCULUS,	(3)	114	CALCULUS,	(3)	114
SURVEYING,	(3)	28 A	SURVEYING,	(2)	28 A
DRAWING,*	(6)	50	GRAPHIC STATICS,	(2)	53
GEOLOGY,	(2)	84	DESIGN PROBLEMS*	(6)	7
ENGLISH,	(4)	67, 69	GEOLOGY,	(2)	84
GERMAN,	(4)	88	BUILDING MATER-		
ELOCUTION,	(1)	120	IALS AND APPLI-		
METALLURGY,	(3)	25, 26	CATION,	(2)	9, 10
RELIGION,	(2)	143	ENGLISH,	(4)	74, 75
			GERMAN,	(4)	88
			ELOCUTION,	(1)	120
			RELIGION,	(2)	143

*Three hours per week in the chemical laboratory and drafting-room are required after class-hours.

JUNIOR CLASS.

FIRST TERM.			SECOND TERM.		
MECHANICS OF MATERIALS,	(4)	116	THERMODYNAMICS,	(2)	118
MASONRY STRUCTURES AND FOUNDATIONS,	(4)	31, 34	TRUSSES,	(4)	38
CEMENT LABORATORY,*	(3)	34	PHYSICS,	(3)	140
PHYSICS,	(3)	140	PHYSICAL LABORATORY,	(2)	141
PHYSICAL LABORATORY,	(2)	141	ROAD AND RAILROAD ENGINEERING,	(3)	39, 33
ROAD AND RAILROAD ENGINEERING,	(3)	29, 33	DESIGN PROBLEMS*	(8)	7
DESIGN PROBLEMS*	(8)	7	TUNNELING,	(2)	35
SURVEYING	(2)	30	EXCAVATIONS,	(2)	36
PHILOSOPHY,	(4)	127	ORATORY,	(1)	121
ENGLISH,	(1)		ENGLISH,	(1)	
ORATORY,	(1)	121	RELIGION,	(2)	144
RELIGION,	(2)	144			

SENIOR CLASS.

FIRST TERM.			SECOND TERM.		
BRIDGES AND BUILDING,	(6)	39	BRIDGES,	(6)	39
HYDRAULICS,	(3)	43	IRRIGATION AND WATER SUPPLY,	(3)	41
SEWERS,	(2)	37	CONTRACTS AND SPECIFICATIONS	(2)	42
ASTRONOMY,	(2)	13	RAILROAD ENGINEERING,	(3)	40
GEODESY,	(2)	14	DESIGN PROBLEMS,	(8)	7
DESIGN PROBLEMS,	(8)	7	ENGLISH,	(1)	
ORATORY,	(1)	122	ORATORY,	(1)	122
ENGLISH,	(1)		THESIS,	(2)	
ORATORY,	(1)	121	RELIGION,	(2)	136
RELIGION	(2)	134, 135			

*After class hours.

THE COURSE IN ARCHITECTURE.

FRESHMAN CLASS.

FIRST TERM.			SECOND TERM.		
ALGEBRA,	(3)	109	HISTORY OF ARCHI-		
PHYSICS,	(2)	139	TECTURE,	(3)	1
PHYSICAL LABORA-			PHYSICS,	(2)	139
TORY,	(2)	140	PHYSICAL LABORA-		
SURVEYING,	(4)	28	TORY,	(2)	139
CHEMISTRY,	(2)	21	SURVEYING,	(4)	28
ENGLISH,	(4)	64, 76	CHEMISTRY,	(2)	23
GERMAN,	(4)	87	ENGLISH,	(4)	65, 72
TRIGONOMETRY,	(3)	111	GERMAN,	(4)	87
DRAWING,	(4)	48	DESCRIPTIVE GEOM-		
ELOCUTION,	(1)	119	ENTRY,	(2)	51
RELIGION,	(2)	142	DRAWING,	(4)	49
			ELOCUTION,	(1)	119
			RELIGION,	(2)	142

SOPHOMORE CLASS.

FIRST TERM.			SECOND TERM.		
MECHANICS,	(2)	115	MECHANICS,	(2)	115
SURVEYING,	(4)	30	BUILDING MATERI-		
STEREOTOMY,	(6)	50	ALS AND APPLI-		
GEOLOGY,	(2)	84	CATION,	(2)	9, 10
ENGLISH,	(4)	67, 69	DESIGN PROBLEMS,	(7)	7
GERMAN,	(4)	88	GRAPHIC STATICS,	(2)	53
HISTORY OF ARCHI-			GEOLOGY,	(2)	84
TECTURE,	(2)	2	ENGLISH,	(4)	74, 75
ARCHITECTURAL			GERMAN,	(4)	88
DRAWING,	(1)	5	HISTORY OF ARCHI-		
ELOCUTION,	(1)	120	TECTURE,	(4)	3
RELIGION,	(2)	143	ELOCUTION,	(1)	120
			RELIGION,	(2)	143

JUNIOR CLASS.

FIRST TERM.			SECOND TERM.		
MECHANICS OF MA-			THERMODYNAMICS, (2)		118
TERIALS, (4)	116		TRUSSES, (2)		38
MASONRY CONSTRUC-			PHYSICS, (4)		140
TIONS, (4)	31, 34		PHYSICAL LABORA-		
PHYSICS, (4)	140		TORY, (2)		141
PHYSICAL LABORA-			DESIGN PROBLEMS, (6)		7
TORY, (2)	141		HEATING AND VEN-		
DESIGN PROBLEMS, (6)	7		TILATION, (3)		8
PHILOSOPHY, (4)	127		BUILDING CONSTRUC-		
ORATORY, (1)	121		TION, (4)		4
RELIGION, (2)	144		ORATORY, (1)		121
			RELIGION, (2)		144

SENIOR CLASS.

FIRST TERM.			SECOND TERM.		
METALLURGY, (4)	25, 26		CONTRACTS AND		
SANITARY ENGI-			SPECIFICATIONS, (2)		42
NEERING, (2)	8		BUILDING CONSTRUC-		
BUILDING CONSTRUC-			TION, (6)		4
TION, (6)	4		DESIGN PROBLEMS, (8)		7
DESIGN PROBLEMS, (8)	7		THESIS,		
ASTRONOMY, (2)	14		ORATORY, (1)		122
ORATORY, (1)	122		RELIGION, (2)		136
RELIGION, (2)	134, 135				

HIGHER DEGREES.

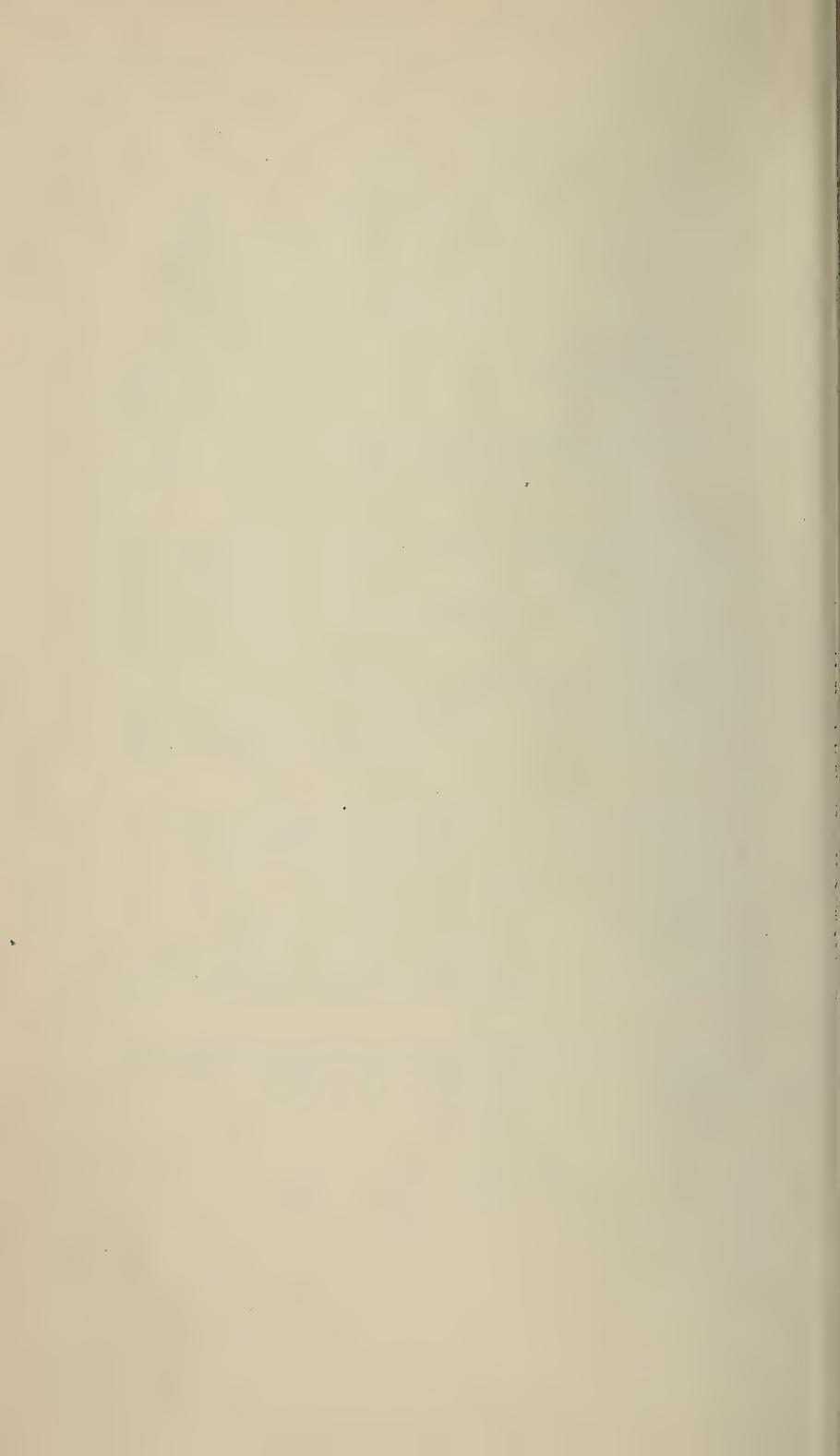
Bachelors in either department may obtain the Master's degree by pursuing an approved course of study and giving satisfactory evidence of scholarship. If such post-graduate study is not pursued in the College, the degree will not be conferred until two years after graduation.

Professional study, as such, does not entitle one to the Master's degree, but original research or special and scholarly study connected with a profession may, at the discretion of the Faculty, be accepted.

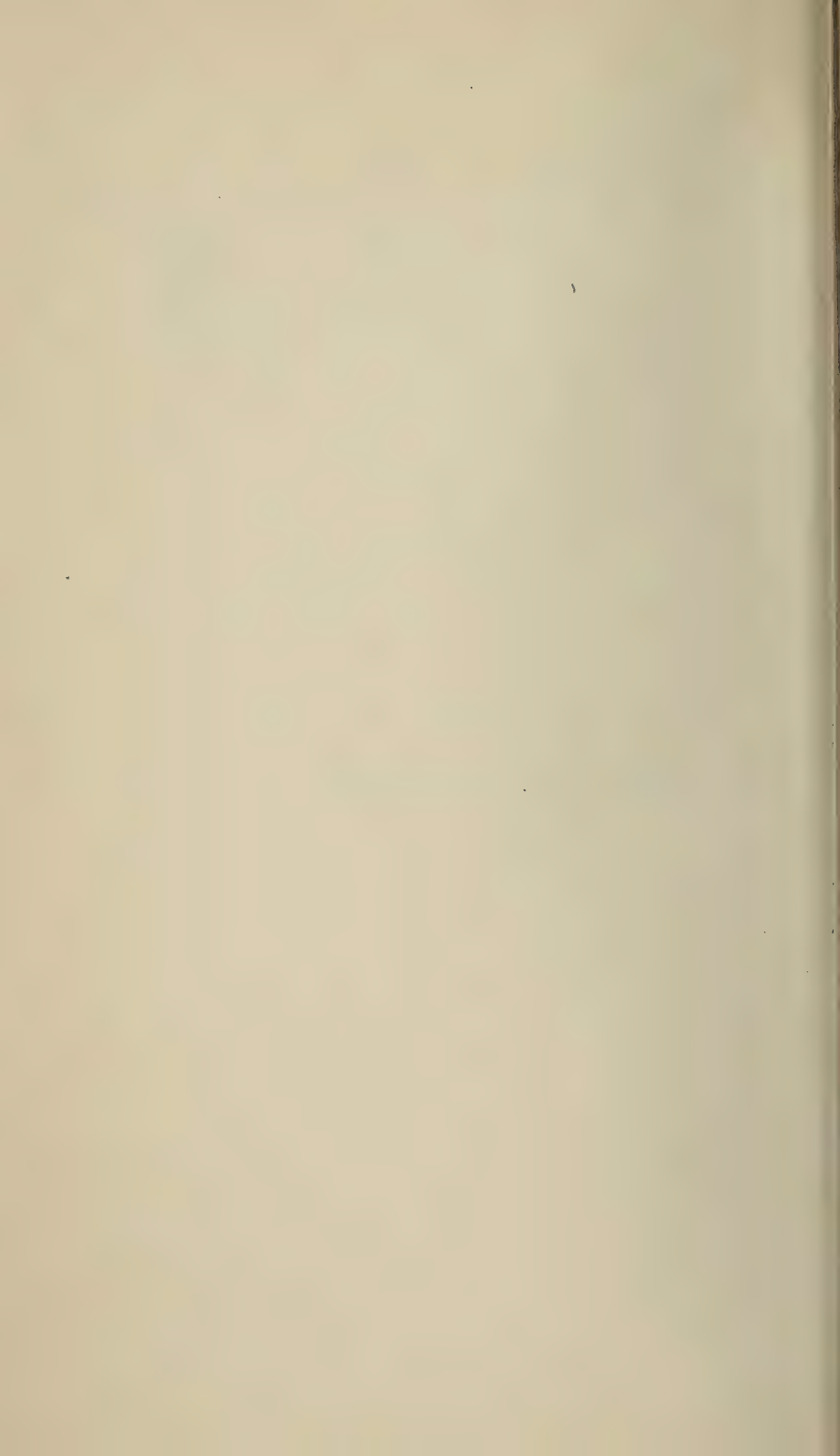
Essays, theses and dissertations intended for the Master's degree, must be presented at least one month before the end of the academic year. The bibliography or list of works consulted must, in each case, be appended to the thesis.

If a candidate's thesis is approved, he will be informed as to the time when he will be required to meet the Board of Examiners for any further test of his qualifications which may be deemed necessary.

The degree of Civil Engineer, as well as that of Architect, may be conferred one year after graduation on the presentation of an approved thesis.



COURSES OF STUDY.



COURSES OF STUDY.

FOR THE MASTER'S DEGREE.

For Master of Arts.

Any one of the following courses :

- I. Moral Philosophy, with written thesis, making special application of its principles to mooted questions of the age.
- II. Plato and Aristotle, with the history of the influence of Greek philosophy on modern thought.
- III. A comparative study of the psychology of St. Thomas Aquinas and modern psychology.
- IV. A comparative study of Thomistic ethical principles and current theories.
- V. A critical study of Locke's influence on modern philosophy.
- VI. A critical study of the rise of Kantianism.
- VII. A critical study, with practical applications, of any *one* of the following psychologic principles as applied in teaching :
 - (a) Interest ; (b) Apperception ; (c) Attention ; (d) Personal Equation ; (e) Imitation ; (f) Free Will ; (g) Character ; (h) Humor ; (i) Imagination.
- VIII. A critical examination of current errors in psychology.
- IX. A critical examination of current errors in ethics.
- X. A thorough criticism of any one of the accepted texts in logic, psychology or ethics.
- XI. A critical examination of any one of the accepted texts in the history of education.
- XII. A critical study of the growth of the novel.
- XIII. English literature. Critical analysis of any classic author from the Catholic standpoint.

- XIV. French literature, with translations at sight from any classic author, and a critical French essay on his work or his age.
- XV. German literature, with translation at sight from any classic author, and a critical German essay on his work or his age.
- XVI. Church History. Selections of important periods for research, with essays embodying results of investigation.
- XVII. A discussion of current theories in political economy.
- XVIII. A critical examination of any one of the texts commonly accepted as standard in political economy.
- XIX. A detailed examination with applications of the relations of political economy to ethics.
- XX. A critical study of Leo XIII's encyclicals on political questions.
- XXI. Suggested ways and means of perfecting the federation of Catholic societies.
- XXII. Amplification of topics discussed by the Catholic Truth Society.

For Master of Science.

Any one of the following courses :

- I. Higher coördinate geometry of two dimensions ; coördinate geometry of three dimensions.
- II. General theory of equations.
- III. Higher parts of the integral calculus ; differential equations ; calculus of variations ; calculus of quaternions.
- IV. Rigid dynamics.
- V. Fourier's theorem and its applications.
- VI. The wave theory treated mathematically or experimentally, or both.
- VII. The electro-magnetic theory of light.
- VIII. Phenomena of interference, diffraction and polarization.
- IX. Spectrum analysis.
- X. The kinetic theory of gases.
- XI. Conservation and dissipation of energy.
- XII. Application of the doctrine of energy to the phenomena of chemical combination.

- XIII. Thermal measurement of energy.
- XIV. Properties and phenomena of the ether.
- XV. Discharge of electricity through gases.
- XVI. Recent views of electricity.
- XVII. Higher parts of static and dynamic electricity.
- XVIII. Phenomena of alternating currents.
- XIX. Astronomical physics.
- XX. Special studies in civil engineering.
- XXI. Special studies in electrical engineering.
- XXII. Special studies in architecture.

These subjects are merely suggestive, and are intended to direct the candidate in the choice of a subject for his thesis. The treatment of the subject should be thorough and comprehensive, and should embody the result of original thought or of experimental investigation, as the case may require.

Published works of the candidate on the subject selected, articles in reviews or scientific periodicals, or contributions to the transactions of learned societies will receive due consideration from the Board of examiners.

COURSES OF STUDY.

ARCHITECTURE.

1. HISTORY OF ANCIENT ARCHITECTURE.—Egyptian, Chaldean, Assyrian, Persian, Jewish, Pelasgic, Greek, Roman, and Pompeian Architecture. Study of examples of Assyrian, Egyptian, Greek, and Roman Art.

2. HISTORY OF MEDIEVAL ARCHITECTURE.—The rise of Christian, Byzantine, Moorish Art, and the various periods of the Romanesque in Italy, France, England, Germany. Gothic art in its different periods in these countries.

3. HISTORY OF MODERN ARCHITECTURE.—The dawn of renaissance in Italy and the Florentine School. Early renaissance in France, England, Germany. Classical renaissance. Baroque and rococo. Greek revival in England and colonial style in America. Classical revival in Europe. Eclectic style.

Hamlin, *History of Architecture*.

4. BUILDING CONSTRUCTION.—The building and finishing of structures in wood, brick, and stone. Draughting of plans and designs.

5. ORDERS OF ARCHITECTURE.—Analysis of the five orders of classic architecture. Exercises in drawing and rendering.

6. ARCHITECTURAL ENGINEERING.—Principles of mechanics, as applied in the use of building materials. Building notes. Lectures on modern practice in the erection of large buildings.

7. DESIGN PROBLEMS.—Developing the principles in planning and construction. Specifications and working drawings.

8. SANITARY SCIENCE.—Lectures on heating and ventilation. Principles of hygiene as applied in the construction of buildings, plumbing, and drainage.

9. BUILDING MATERIALS.—Natural stones, quarrying. Artificial stones—bricks, terra cotta, and fire-bricks, brick-making and brick-kilns. Lime and cement, mortar, concrete, asphalt, timber, cast-iron, wrought-iron, steel and other metals. Paints.

10. EMPLOYMENT OF BUILDING MATERIALS.—Stone-cutting and dressing, masonry walls, brick walls, compound walls, concrete walls. Joints, scarfings, roof-trusses, floors, partitions, windows, doors and landings. Rivets, pins, girders, columns.

11. ESSAYS ON ARCHITECTURAL TOPICS.—Second and third year students.

12. ARCHITECTURAL DESIGNS.—Advanced problems in planning and composition.

ASTRONOMY.

13. DESCRIPTIVE ASTRONOMY.—Phenomena depending on the axial and orbital motion of the earth. Kepler's laws. Phenomena depending on change of place. Dimensions and coördination of the solar system. Tides, eclipses, transits.

Young, *The Elements of Astronomy*.

14. PRACTICAL ASTRONOMY.—Construction, adjustment, and use of the telescope, transit, and sextant. Determination of place and time. Field work in triangulation and azimuth. Determinations by engineer's transit and the solar transit.

BIOLOGY.

15. GENERAL STRUCTURAL BOTANY.—Lectures on organization of higher plants, illustrated by specimens, and followed by laboratory work.

16. STUDY OF PHENOGAMS.—The characters of the natural orders. Lectures and laboratory work.

17. PLANT HISTOLOGY AND PHYSIOLOGY.—The vegetable cell, its structure, composition, modification, kinds; structure and development of flower, fruit, seed; protoplasm, vegetable growth, movements, reproduction.

18. STUDY OF CRYPTOGRAMS.—Study of the structure and development of the algæ, fungi, lichens, mosses, ferns and pteridophytes. Relationship of cryptograms and phanerogams.

19. HUMAN ANATOMY AND PHYSIOLOGY.—Lectures, illustrated with models and lantern slides.

20. THE NERVOUS SYSTEM AND ITS TERMINAL ORGANS.—Lectures and illustrations with models and lantern slides.

CHEMISTRY.

21. GENERAL INORGANIC CHEMISTRY.—Preparation, properties and uses of the more important elements and inorganic compounds.

Remsen, *Inorganic Chemistry*.

21A. CHEMICAL LABORATORY.—Experiments covering a systematic study of the chemical and physical properties of the most important elements and their compounds.

23. INORGANIC AND ORGANIC CHEMISTRY.—The study of the non-metallic and metallic substances ; also, some of the principal compounds of the paraffin and aromatic series.

24. QUANTITATIVE ANALYSIS.—Short course open to students preparing for medicine.

25. ASSAYING.—Study of ores and other metallic products, qualitative tests, blowpipe analysis.

26. ASSAYING.—Quantitative assaying. Special and short methods of assaying ores and metals.

27. Course in photography and radiography.

CIVIL ENGINEERING.

28. LAND SURVEYING.—Theory and general principles. Adjustment and use of chain, tape, rod, vernier, level and compass. Simple leveling with ordinary level, hand-level and barometer. Making of profile. Pacing, chain and compass surveying. Balancing, plotting, supplying omissions and computing areas.

28A. LAND SURVEYING.—Theory, adjustment and use of transit. Transit, stadia and topographical surveying. Leveling, contour lines, plotting, computing areas, use of plane table.

Raymond, *Plane Surveying*.

29. ROAD ENGINEERING.—Location and grading of country roads. Staking out of work. Draining and protection works. Maintenance. Foundations. City streets. Pavements : stone, wood, asphalt, brick. Tools and machinery employed in road construction. Specifications and contracts regarding roads.

Byrne, *Highway Construction*.

30. LAND SURVEYING.—City surveying, triangulation, earth-work computations, theory and use of sextant, hydrographic and mining surveying.

31. FOUNDATIONS.—Construction of timber foundation. Cofferdams of timber. Open and pneumatic caissons. Trestle foundations. Piles in foundations. Economical considerations in foundations. Estimates of cost. Bridge piers. Methods for deep foundations.

Patton, *Foundations*.

32. TIMBER STRUCTURES.—Culverts. Pile bents. Frame bent. Bracing compound timber structures. Trestles on curves. Floor details. Connection with embankment, derailing devices, field engineering and erection of trestle, design and estimates for a completed trestle.

Foster, *Treatise on Modern Trestle Bridges*.

33. RAILROAD SURVEYING.—Reconnaissance and preliminary surveys. Organization of work. Simple and compound curves. Turnouts. Cross-section work. Computation of earthwork.

Searle, *Field Engineering*.

34. MASONRY.—Theoretical study of retaining walls, principle and design of earth and masonry dams of different classes, bridge abutments, culverts. Theory of masonry arch, methods of failure, tunnels. Cement and mortar testing in laboratory.

Baker, *Masonry Construction*.

35. TUNNELING.—Tunnels and open cuts, materials for lining, pressure. Process of tunneling, locating of centre lines, drainage and ventilation, estimates on quantities and cost, rapid transit.

Prelini, *Tunneling*.

36. EXCAVATIONS.—Earthwork, excavations by hand and machine, rock excavation, hauling on horizontal and inclined roads, hoisting cableways, trench cutting, embankment constructions, dredging and dredged materials.

37. SEWERS AND SEWAGE DISPOSAL.—Dimensions and materials used, location, precautions in construction, study of examples, estimate of cost, surface drainage in towns and cities, separate and combined systems, capacities of main and branches, grade, flow and discharge of sewers. Methods of sewage disposal, discharge into streams, gravity and chemical precipitation. Filtration.

38. THEORY OF TRUSSES.—Truss elements, loads and reactions for trusses of various designs, influence lines, and position of loads for maximum bending moment. Wheel-loads and conventional systems of analysis, stress strain diagrams, secondary stresses in trusses, applications to highway and railroad bridges.

Merriman and Johnson, *Modern Framed Structures*.

39. ROOFS, BRIDGES AND BUILDINGS.—Different classes of bridges, riveted truss or lattice bridges, pin-connected bridge, design of details for roofs and bridges, floor systems, lateral and transverse bracing. The plate girder in detail, swing bridge (different kinds), end-lifting apparatus, machinery for operating cantilever structures, single and double track trestles or viaducts in steel or timber, elevated railroads, stand-pipes. Complete designs, with estimate of cost for structure and erection.

Merriman and Johnson, *Modern Framed Structures*.

40. RAILROAD ENGINEERING.—General theory of railroad projects. Probable volume of traffic and its probable growth. Effect of alignment on resources and operating expenses. Methods of railroad management. Construction of railroads: track laying and maintenance, frogs and switches, track accessories, records and reports.

Wellington, *Theory of Railroad Location*; Tratman, *Track and Track Work*.

41. IRRIGATION AND WATER SUPPLY.—Drainage areas, rainfall, evaporation, discharge and volume of flow in streams. Reservoir construction. Dams for storage. Regulators. Distributing sys-

tem. Velocity of flow and dimensions of canals. Distributing and lateral canals.

42. CONTRACTS AND SPECIFICATIONS.—Johnson.

43. HYDRAULICS.—Flow of water through orifices and over weirs, gauging of weirs. Flow of water in canals. Formulæ for discharge of water from locks. Motion of water in pipes. System of pipes. Gauging water in rivers. Backflow. Resistance of water in a river, in a canal. Hydraulic motors. Ship railways. Laboratory work.

Merriman, *Hydraulics*.

44. INSPECTION VISITS.—Visits to engineering works and manufacturing establishments. For students in the third and fourth year of the three science courses.

45. FIELD WORK.—Surveying, first year students. Compass and transit surveys. Adjustments of instruments. Farm survey. Angle reading, repetition. Azimuth traverse. Work to be plotted and all calculations completed.

46. FIELD WORK.—Leveling. Contour sketching. Topographical surveying. Field work to be plotted and completed as above.

47. RAILROAD SURVEY.—Reconnaissance and preliminary survey. Location of line. Profile and cross-section. Computation of earth work. About two miles of road are run, and the students make all calculations required in the regular routine of office work.

DRAWING.

48. MECHANICAL DRAWING.—Use of instruments, geometrical problems, lettering, plans, elevations.

49. MECHANICAL DRAWING.—Elementary projections, inter-sections, shades and shadows. Tinting drawings, pen-and-ink sketching, tracing, blue prints.

50. MECHANICAL DRAWING.—Stone-cutting and its applications to culverts, sewers, etc. Perspective.

51. DESCRIPTIVE GEOMETRY.—Demonstrations and execution of eight plates.

Faunce, *Descriptive Geometry*.

52. DRAWING.—Plots of survey, topographical maps, contour maps, profiles.

53. GRAPHIC STATICS.—Resolution of concurrent and non-concurrent forces, determination of moments, of internal stresses, of centroids and moments of inertia. Application to roofs and trusses.

Hoskin, *Elements of Graphic Statics*.

54. SKETCHING.—Drawing in pencil from nature and from the object, pen-and-ink rendering of architectural drawings.

55. SKETCH DESIGN.—Problems to be rendered in sketch form in limited time; pen-and-ink renderings of subjects.

56. STRUCTURAL DRAWING.—Plans, elevations and sections from actual measurements of structures. The use of water colors.

57. BRIDGE DESIGN.—The design of railroad bridges. Sketches of details of bridges in the vicinity. Computations and working drawings are made from specifications for a railroad bridge of short span, and estimates of its weight are prepared.

ECONOMICS, SOCIAL AND POLITICAL SCIENCE.

58. ECONOMICS.—Principles of production, distribution, exchange, money, banking, international trade-relation of labor and capital, present organization of industry, currency legislation of the United States.

59. Economic history of England and America.

60. Principles of government, legislation, the judiciary, the executive, suffrage and finance.

Fiske, *Civil Government*.

61. Public expenditure. Sources of state income. Development, classification, incidents and effects of principal taxes. Reference: Adam's *Science of Finance*.

62. Political representation in Colonial period as compared with representation at present.

63. Psychology of social types. Historical aspects of social organization, both ancient and modern. Study of concrete modern social problems.

ENGLISH.

64. ENGLISH COMPOSITION.—Exercises in constructing outlines of subjects. Short themes : criticism of same in class. Scott and Denney, *Paragraph Writing*.

65. RHETORIC, ADVANCED.—Exercises in historical narrative. Augmentative compositions and illustrations from authors.

66. ORATORICAL COMPOSITION.—Debates and theses requiring original research. Essays on historical and social subjects. Baker, *Principles of Argumentation*.

67. NINETEENTH CENTURY LITERATURE.—A short study of the leading English authors, and a critical reading of selected classics to illustrate Brother Azarias' *Books and Reading*.

68. ANGLO-SAXON LITERATURE.—Study of the poets and prose writers of the Anglo-Saxon period.

Brother Azarias, *Old English Thought*.

69. PRINCIPLES OF ENGLISH VERSIFICATION.—Study of English verse from the æsthetical and the structural point of view. Exercises in scansion. Gummere, *Handbook of Poetics*.

70. CHAUCER.—Literary study of the language and versification of the *Canterbury Tales*.

71. HISTORY OF THE ENGLISH LANGUAGE AND LITERATURE.—Review of the development of the language and its literature.

Lounsbury, *History of the English Language*.

72. SHAKESPEARE.—Critical reading of *Hamlet* or *King Lear*, with special study of the rise of the English drama. Saintsbury, *Elizabethan Literature*.

73. DRAMA.—Study of the theory of the drama and its development historically considered. Dryden, *Laws of Dramatic Composition*; Woodbridge, *The Drama : Its Law and Its Technique*.

74. AMERICAN LITERATURE.—A study of the leading American writers, together with the influences that have been at work in our literature.

75. THE ESSAYISTS.—General study of English essayists from Bacon to Macaulay. American essayists. Critical study of Emerson's essays and Spalding's essays.

76. CRITICAL STUDY of Tennyson's *In Memoriam*, Newman's *Dream of Gerontius*, Dryden's *Vergil*, and Pope's *Homer*.

77. PHILOSOPHY OF LITERATURE AND OF STYLE.—An examination into the fundamental principles of literature and style. Brother Azarias, *Philosophy of Literature, Phases of thought and Criticism*; Spencer, *Philosophy of Style*.

FRENCH.

78. TRANSLATION AT SIGHT of standard French prose. Grammar. Composition based upon the following books:

De Maistre, *Voyage autour de ma Chambre*; Mariet, *La Tâche du petit Pierre*; Halévy, *L'Abbé Constantin*; Daudet, *La Dernière Classe, Le Siège de Berlin*; Merrimée, *Columba*; Sandeau, *Mlle. de la Seiglière*; and one play each of Corneille, Racine, Molière.

This course is required of students who desire to matriculate in French. A brief course based on this is required of Freshmen who do not matriculate in French.

79. GRAMMAR.—Syntax and prose composition. Dictation. Selected readings, modern authors: Erkman-Chatrian, *Waterloo*; Lamartine, *Jeanne d'Arc*; About, *Le Roi des Montagnes*; Labiche et Martin, *La Poudre aux Yeux*.

Reference: Faguet, *Études sur la Littérature Française au XIXe Siècle*.

80. DICTATION. CONVERSATION. PROSE COMPOSITION.

Outline History of French literature: Fortier, *Histoire de la Littérature Française*.

Modern Dramatists: Hugo, *Hernani*; De Musset, *Un Caprice*; Coppée, *Le Pater*.

Reference : Faguet, *Études littéraires sur le XVIIIe Siècle* ; Lenient, *La Comédie en France au XVIIIe Siècle*.

81. CONVERSATION. PROSE COMPOSITION.

The Classic Drama : Corneille, *Le Cid* or *Les Horaces* ; Molière, *Le Médecin malgré lui* or *Le Misanthrope* ; Racine, *Les Plaideurs*, *Athalie*.

82. CONVERSATION. PROSE COMPOSITION.

Selected Authors : Descartes, *Discours sur la Méthode* ; Fénelon, *Télémaque* ; La Bruyère, *Les Caractères* ; Boileau, *L'Art poétique* ; De Vigny, *Cinq Mars*.

Luquiens, *Places and Peoples* or *Popular Science*.

GEOLOGY AND BOTANY.

83. Descriptive and Determinative Mineralogy ; Physical, Historical and Stratigraphical Geology.

Lectures and Laboratory work.

84. GENERAL COURSE IN GEOLOGY.—Lectures and laboratory work. A more advanced discussion of the subjects treated above.

Dana, *Text-book of Geology*.

85. GENERAL BOTANY.—The principal features of plant structure and classification with reference to native trees, their character and identification. Laboratory work.

GERMAN.

86. TRANSLATION AT SIGHT of modern German prose. Grammar. Composition based upon the following books : Hillern, *Höher als die Kirche* ; Hauff, *Das kalte Herz* ; Freytag, *Die Journalisten* ; Lessing, *Minna von Barnhelm* ; Storm, *Immensee* ; Schiller, *Wilhelm Tell* ; *Das Lied von der Glocke* ; Goethe, *Shorter Poems*.

This Course is required of students who desire to matriculate in German. A brief Course based on this is required of Freshmen who do not matriculate in German.

87. GRAMMAR. Harris, Prose Composition. Dictation. Selected readings. Modern authors : Riehl, *Burg Niedeck* ; Heyse, *Das*

Mädchen von Treppi; Schiller, *Der Neffe als Onkel*; Lessing, *Nathan der Weise*; Selections from Heine's poems.

88. PROSE COMPOSITION. DICTATION.

Historical prose: Freytag, *Aus dem Staat Friedrichs des Grossen*, Sybel, *Die Erhebung Europas*; Jannsen, *Geschichte des Deutschen Volkes*. Selections. Schiller's historical prose.

89. PROSE COMPOSITION. DICTATION. CONVERSATION.

Outline history of German literature: Keller, *Bilder aus der deutschen Literatur*, with Klemm's *Geschichte der deutschen Literatur* as reference; also Max Müller's German classics.

90. SCHILLER AND HIS CONTEMPORARIES. *Maria Stuart, Die Jungfrau von Orleans, Wallenstein*; selections from his prose writings.

91. GOETHE, LIFE AND PRINCIPAL WORKS. *Hermann und Dorothea, Egmont, Tasso*; selections from *Dichtung und Wahrheit* poems and epigrams.

92. DIPPOLD, SCIENTIFIC GERMAN READER; OR, GORE, GERMAN SCIENCE READER. Journalistic German. Current German Scientific periodicals.

Practice in speaking and writing German; advanced German Composition.

93. OLD GERMAN. Wenkebach, *Die Meisterwerke des Mittelalters*; Klenze, *Deutsche Gedichte*.

HISTORY.

94. ANCIENT HISTORY.—History of Greece, with special reference to its literature, politics, and commerce.

95. ANCIENT HISTORY.—Rome, from the Founding of the City to the Fall of the Western Roman Empire, with special reference to literature, politics, and commerce.

96. MEDIEVAL HISTORY.—From the Fall of the Western to the Fall of Eastern Roman Empire. The Holy Roman Empire and the Papacy receive special attention.

97. THE RENAISSANCE AND THE REFORMATION.—The principal subjects studied are the revival of letters, the age of discovery the reformation in England, France, and Germany; the Thirty Years' War, and the Peace of Westphalia.

98. ENGLISH HISTORY.—In this Course the constitutional and social history of England receive special attention.

99. FRENCH HISTORY.—This Course begins with the establishment of the French monarchy and ends with its downfall at the time of the French Revolution.

100. THE HISTORY OF THE NINETEENTH CENTURY, BEGINNING WITH THE YEAR 1815.—This Course treats principally of the restoration of the Bourbons, the Revolutions of 1830 and 1848, the Austro-Prussian war, the Franco-Prussian war, the Unification of Germany and of Italy.

101. AMERICAN POLITICAL INSTITUTIONS.—Nature of state and national systems; Organization and powers of legislative, executive, and judicial departments of Federal Government.

102. EUROPEAN CONSTITUTIONS.—Political institutions of England and Switzerland as compared with those of the United States.

103. CONSTITUTIONAL HISTORY OF THE UNITED STATES SINCE 1815.—Colonial Governments, the confederation, the federal constitution, nationality vs. state sovereignty.

104. CONSTITUTIONAL HISTORY OF THE UNITED STATES SINCE 1815.—Nationality and slavery, war of 1812, federal judiciary, nullification, state constitutions, civil war.

105. THE PHILOSOPHY OF HISTORY, based principally on the works of Balmes, Schlegel and Allies.

106. CHURCH HISTORY.—From the Founding of the Church to the Protestant Reformation.

ITALIAN.

107. ELEMENTARY COURSE.—Grammar. Conversation. Dictation.

Reading: Bowen's Reader; Cuore, *De Amicis*; Manzoni, *I Promessi Sposi*; Testa, *L' Oro e l' Orpello*.

108. ADVANCED COURSE. Dante's life and works. Critical study of *the Divina Commedia*.

References: Scartizzini, *Companion to Dante*; Brother Azarias, *Spiritual Idea in Dante's Divina Commedia*.

MATHEMATICS.

109. ALGEBRA.—Beginning with quadratics and completing the subject.

Wells, *New Higher Algebra*.

110. TRIGONOMETRY (Plane).—Application to problems in heights and distances, surveying, etc.

Wells, *New Plane and Spherical Trigonometry*.

111. TRIGONOMETRY (Spherical).—Application to simple problems in astronomy.

112. ANALYTICAL GEOMETRY.—Including the general equation of the second degree.

Wentworth, *Analytical Geometry*.

113. ANALYTICAL GEOMETRY.—The straight line, the plane and surfaces of revolution.

114. CALCULUS. Differential and Integral.—Applications to mechanics and geometry. Elements of differential equations.

Taylor, *Differential and Integral Calculus*.

MECHANICS.

115. MECHANICS.—Principles of statics and dynamics; elements of hydrostatics.

Loney, *Mechanics and Hydrostatics*.

116. MECHANICS OF MATERIALS.—Resistance and elasticity of materials, cantilever, simple and continuous beams, columns, torsion and shafts, stresses, resilience, tension and compression, flexure in beams, shear and torsion, true and apparent stresses, design and construction of beams in wood and steel, design of girders.

Merriman, *Mechanics of Materials*.

117. MECHANICS OF SOLIDS AND LIQUIDS. Advanced.

(A knowledge of the Calculus will be required for this course.) Statics of concurrent and parallel forces, theory of couples, friction, mass-moments. Theorems of Guldinus, determination of centroids. Rectilinear and parabolic motion. Work and energy. Impulsive forces. Direct and oblique impact. Circu

lar motion. Angular velocity and acceleration. Simple harmonic motion. Motion in a vertical curve. The conical and ordinary pendulum. Determination of moments of inertia. Theory of potential. Derived units and their dimensions. Pressure due to gravitating liquids, center of pressure, equilibrium of floating bodies, determination of metacentre. The barometer and its application to hypsometry. Compressed air manometers, exhausting and condensing air-pumps.

118. THERMODYNAMICS.—Heat, steam, fuel economy, engine construction, engine tests, boiler construction and tests.

Lectures supplemented by visits to plants and examinations of machines in actual operation.

Jamieson, *The Steam Engine*.

ORATORY.

119. ELOCUTION.—Beginners' course in the principles of declamation, with weekly exercises.

120. ELOCUTION. — Advanced courses in the principles of declamation, with weekly exercises.

121. FORENSICS.—Study and analysis of typical British and American argumentative orations.

122. DEBATES.—Theory of the preparation of debates. Oral discussion of questions of the day.

PEDAGOGY.

123. PRINCIPLES OF TEACHING.—Importance of knowledge of physical, mental and moral laws. Development of mental power. The teacher and his qualifications. School organization, hygiene and discipline. Aids to teaching. Art of questioning and answering. Class examinations.

124. THEORY AND PRACTICE OF TEACHING.—What is meant by a lesson. Varieties of lessons. Outlines of lessons. Criticisms of lesson. Object lesson. Kindergarten.

METHODS OF TEACHING.—Foundations of method and general principles. Synthesis and analysis. Individual vs. simultaneous system. Class exercises and drill on subjects taught in elementary and secondary schools.

125. HISTORY OF EDUCATION.—*Pre-Christian Era*: Chinese, Hindoos, Egyptians, Persians, Israelites, Greeks and Romans. Notes of the educational leaders in each. *Education during the Middle Ages*: Its general character, monasticism, scholasticism. The Crusades. Rise of Universities. Noted educators.

126. HISTORY OF EDUCATION.—Period of the Renaissance, its characteristics; humanistic educators. Special study of the following educators: Sturm, Loyola, Fénelon, De La Salle, Locke, Rousseau, Basedow, Pestalozzi, Froebel, Comenius, Jacotot, Spencer, Mann, Barnard, Parker, etc. History of the school system of the state of New York.

References: History of Education. *Educational Theories*, Oscar Browning; *Educational Essays*, Brother Azarias; *Christian Schools and Scholars*, Drane; *Education Prior to the French Revolution*, Alain; *Education as a Science*, Bain; *Education*, Spencer; *Methodology and Vade Mecum*, Brothers of the Christian Schools; *School Management*, White; *Talks on Teaching*, Parker; *Herbart and the Herbartians*, De Garino; *Normal Methods of Teaching*, Brooks.

PHILOSOPHY.

127. FORMAL LOGIC.—The idea. Errors as to the nature of ideas in modern English and German philosophy. Definition. Division. The nature of judgment. The value of the syllogism.

128. CRITICAL LOGIC.—The possibility of certainty. Scepticism. Veracity of the senses and the intellect. Idealism vs. Realism. Universals. Authority and belief.

129. METHOD.—General principles. Special methods. Deduction and induction. Methods of observation. Methods of explanation.

130. METAPHYSICS.—The Aristotelian transcendentals. Reality of substances. Causation. Errors concerning causation. Final causes.

131. COSMIC PHILOSOPHY.—Nature, origin and duration of the universe. Ultimate constituents of bodies. Theory of matter and form. Laws of nature. Possibility of miracles. The concepts of natural science and scholastic philosophy.

132. PSYCHOLOGY.—Rational vs. experimental psychology; value of each. Faculty, habit and action. The life principle. Vegetative life. Theory of sensation. Qualities of sensation. Intellection. Attention. Apperception. Association of ideas. Evolutionism. Heredity. Freedom of will. Spirituality and immortality of the soul. Psychology and the teacher.

133. EPISTEMOLOGY.—Critical examination of various theories of knowledge.

134. NATURAL THEOLOGY.—Proof of God's existence and providence—Deism, pantheism, agnosticism, atheism. Existence of evil. Preservation of creatures. Divine concurrence.

135. GENERAL ETHICS.—Nature of a human act. Ultimate end of human actions. Determinants of morality. Does the end justify the means? Hindrances to the perfection of a human act. The passions, habit, virtue, vice.

136. SPECIAL ETHICS.—Man's rights and duties as an individual. Man's duties to God. Adoration, love, obedience. Man's duties to his neighbor as regards soul and body. Man's duties to himself as to soul and body. Suicide and dueling.

Man's rights and duties as citizen. The state. Its constituent elements. Its origin, end, scope and limits.

Common law of nations. Peaceful relations among nations.

Ecclesiastical society. The Church. Its origin and constitution. Its end and limits. Its superiority to the state. Its mission to the modern world.

137. EXPERIMENTAL PSYCHOLOGY.—Elements and general methods. Elements of mental life; sensation, feeling, conation. Experiments on the outer senses and on the association of ideas.

138. HISTORY OF PHILOSOPHY.—Brief course, dwelling especially upon Greek philosophy, Medieval philosophy, and modern philosophy.

PHYSICS.

139. LIGHT.—Velocity and intensity of light. Reflection and refraction. Spectrum analysis. Polarization. Study of optical instruments.

HEAT.—Temperature and its measurement. Production and transference of heat. Relation between heat and work.

SOUND.—Its nature, velocity, reflection, refraction ; resonance and interference ; pitch ; transverse vibrations ; vibrations of pipes, rods, plates, membranes.

Draper, *Light, Heat, and Sound*.

PHYSICAL LABORATORY.—The shadow photometer, focal length of mirrors and lenses, refractive index of prisms and liquids, wave-length with prisms and gratings, spectrum analysis, construction of microscope, telescope, spectroscope.

Exercises in thermometric scales, latent heat of ice, latent heat of steam, specific heat of solids and liquids.

The vibrations of cords, wires, tuning-forks and plates ; use of monochord and syren ; open and closed pipes ; measurement of wave-length.

140. ELECTRICITY.—Fundamental phenomena. General law of distribution, induction, condensers. Effects of discharge. Influence machines. Primary batteries. The electric current. Ohm's law and applications. Magnetic, thermal and chemical action of the current. The electro-magnet. Current induction. Induction by magnets. The induction coil. Continuous current dynamo and motor. The electric transmission of energy. Electric lighting. Thermo-electric currents. Telegraphy.

MAGNETISM.—Permanent magnets. The molecular theory of magnetism. Magnetic induction. The magnetic field. The magnetic circuit. Comparative strength of fields and of magnets. Terrestrial magnetism. The compass needle. The dip circle. Magnetic character of matter.

Thompson, *Lessons in Electricity and Magnetism*.

141. PHYSICAL LABORATORY.—*Magnetism*. The magnetic field due to a magnet by means of iron filings. Magnetize a sewing-needle, suspend it by a thread and represent in a diagram the position which it takes in various parts of the "field."

Lines of force due to a given combination of magnets.

Find the poles of a bar-magnet, also of a lodestone.

Reverse the polarity of a magnet ; magnetize a bar of steel so that it will have "consequent poles"; study its "field" with filings.

Plot the curve of free magnetism of a long bar-magnet, by the method of oscillations, by the "test nail" method.

Study the law of the inverse square of the distance by the method of oscillations, by the deflection method.

Compare the magnetic moments of two magnets and deduce the relative strength of their poles.

Magnetize a bar by the inductive action of the earth and test resulting polarity.

Compare the magnetic moment of a magnet with the horizontal component of the earth's magnetic force.

Find the horizontal component of the earth's magnetic force in absolute measure.

Find the magnetic dip.

Determine the geographical meridian of the College and find the magnetic declination.

Electricity: Resistance of two wires separately, in series, in parallel.

Specific resistance of given wire.

Resistance of galvanometer in the ordinary way, using its own deflection.

Internal resistance of a battery.

Resistance of lamp-filament cold, when incandescent.

High resistance from fall of potential using voltmeter, quadrant electrometer, condenser.

Insulation resistance of a condenser, a cable.

Temperature co-efficient of a wire.

Resistance of a given liquid.

Comparison of e. m. f.'s using a condenser, a quadrant electrometer, a potentiometer. Verify with voltmeter.

Verify the laws of e. m. f. when the cells of a battery are in series, in parallel.

Study the variation of P. D. at terminals of a battery when external resistance is varied. Plot results.

Determine the constant of the tangent galvanometer by measurement, with ammeter, with copper voltmeter.

Verify the constant of Siemen's electro-dynamometer with tangent galvanometer, with ammeter.

Determine the capacity of a condenser, of a cable.

Verify the laws for the capacity of two condensers in series and in parallel. Also the law for the division of a charge.

Find the electro-chemical equivalent of copper, of zinc.

Study the laws of the development of heat, using an electro-calorimeter.

RELIGION.

142. CHRISTIAN DOGMA.—Explanation of the principal dogmas, with special insistence on the continuity of the Church. The Church and science. Objections.

Text-book : *Manual of Christian Doctrine.*

143. CHRISTIAN MORAL.—Explanation of the fundamental principles of Christian morality as contained in the decalogue.

Text-book : *Manual of Christian Doctrine.*

144. CHRISTIAN WORSHIP.—Prayer and the sacraments, with special references to the council of Trent and the tenets of Protestantism.

Text-book : *Manual of Christian Doctrine.*

145. CHRISTIAN APOLOGETICS.—Nature and necessity of Revelation. Its criteria. Modern objections.

SPANISH.

146. ELEMENTARY COURSES.—Grammar, reading, dictation, composition ; De Tornos' Method ; Ramsey's *Elementary Reader* ; Alarcon, *El Capitan Veneno* ; Galdós, *Doña Perfecta*, *Marianela* ; Valera, *El Pájaro Verde* ; Fernandez de Moratin, *El Sí de las Niñas*.

147. INTERMEDIATE COURSE.—Grammar, reading, dictation, composition ; Ford's *Spanish Composition* ; Valdes, *José* ; Cervantes, *Don Quijote* ; Larra, *Partir á Tiempo* ; Pereda, *Pedro Sanchez* ; Valera, *Estudios Criticos*.

148. ADVANCED COURSE.—Composition, reading of classic dramas : Calderon, *El Principe Constante* ; *La Vida es Sueño* ; Lope de Vega, *La Estrella de Sevilla*. Study of Spanish Literature.

Reference : Fitz-James Kelly, *History of Spanish Literature*.

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DEVERY, LEO C. F.	'02 .	"
DEVLIN, MICHAEL E., A.M.	'75 .	WESTCHESTER, N. Y.
DILLON, CHARLES J., M.D.	'98 .	NEW YORK CITY
DILLON, REV. JOHN J., A.M.	'77 .	ALBANY, N. Y.
DILLON, JOSEPH A., M.D.	'87 .	NEW YORK CITY

DOHERTY, THOMAS F.	'88 .	TROY, N. Y.
DOLAN, REV. JOHN W., A.M.	'78 .	JOHNSTOWN, N. Y.
DOLLARD, JOHN E.	'01 .	TROY, N. Y.
DONLIN, EDW. J., A.M., M.D. Causa honoris		NEW YORK CITY
DONLIN, REV. GEO. T., A.M. Causa honoris		"
DONAHUE, FRANCIS M.	'91 .	"
DONAHUE, REV. J. P., A.M. Causa honoris		DOBBS FERRY, N. Y.
DONAHUE, REV. JOSEPH P., A.M. '90 .		NEW YORK CITY
DONAHUE, THOMAS I.	'88 .	"
*DONAHUE, N. M., A.M., M.D.		
	Causa honoris	"
DONNELLY, REV. PETER J.	'87 .	PALMER'S FALLS, N. Y.
*DONNELLY, JAMES E.	'91 .	NEW YORK CITY
DONNELLY, NICHOLAS A., LL.B. '93 .		W. NEW BRIGHTON, S. I.
DONOHUE, REV. JOHN F., A.M. '78 .		ALBANY, N. Y.
DONOVAN, JOHN J., LL.B.	'01 .	NEW YORK CITY
DONOVAN, WM. F., A.M., M.D.	'87 .	"
DONOVAN, REV. WM. J., A.M.	'77 .	"
DOOLEY, REV. J. A., A.M., U.S.A. '85 .		MILTON, N. Y.
DOOLEY, JAMES P., A.M., F.S.C. '93 .		OAKLAND, CAL.
DOOLEY, REV. MARTIN F.	'96 .	SIOUX FALLS, S. D.
DOOLEY, REV. WILLIAM P. F. '97 .		NEW YORK CITY
DORAN, EDWARD J.	'86 .	PHILADELPHIA, PA.
DORAN, REV. WILLIAM A., D.D. '91 .		NEWPORT, R. I.
DORN, JACOB J., A.M., LL.B.	'96 .	NEW YORK CITY
DOUGHERTY, DANIEL M.	'00 .	MIDDLETOWN, N. Y.
*DOUGHERTY, REV. M. J., A.M. '72 .		NEW YORK CITY
DOWD, REV. JOHN J.	'97 .	TROY, N. Y.
DOWLING, REV. A. A., A.M., S.T.L. '87 .		PROVIDENCE, R. I.
DOWLING, HON. V. J., A.M., LL.B. '83 .		NEW YORK CITY
DOWNEY, THOMAS F.	'86 .	BROOKLYN, N. Y.
DOYLE, CHARLES A.	'02 .	"
DOYLE, JOHN F.	'97 .	CONSTABLEVILLE, N. Y.
DOYLE, THOMAS J.	'01 .	NEW YORK CITY
DOYLE, REV. WALTER A.	'94 .	WHITESBORO, N. Y.
DRISCOLL, REV. JOHN T., A.M., S.T.L.		
	'85 .	FONDA, N. Y.
*DRISCOLL, REV. TIMOTHY L. '89 .		NEW YORK CITY
DROOGAN, C. J., A.M., LL.B.	'88 .	TANNERVILLE, CATSKILL
DRUM, THOMAS A.	'83 .	JERSEY CITY, N. J.
DUANE, JOHN F., A.M., LL.B.	'95 .	BROOKLYN, N. Y.
*DUFFY, REV. JOHN F., A.M. '76 .		NEW YORK CITY
DUFFY, REV. MICHAEL J.	'85 .	"
DUGGAN, MATTHEW J.	'99 .	"
DUNN, EDWARD A.	'84 .	BROOKLYN, N. Y.
*DUNNE, JOHN L., A.M.	'77 .	TROY, N. Y.

DUNN, REV. JOHNS., J.C.B., S.T.L. '91 . PROVIDENCE, R. I.
DUNNEY, JOSEPH A. . . '01 . ALBANY, N. Y.
DUNPHY, EDWARD P. . . '92 . NEWBURGH, N. Y.
DWYER, REV. AMBROSE M. . '90 . SYRACUSE, N. Y.
DWYER, WILLIAM M. . . '99 . UTICA, N. Y.

EDWARDS, CHARLES A. . . '00 . PROVIDENCE, R. I.
EGAN, REV. WILLIAM P. . . '93 . NEW YORK CITY
EILENBECKER, P., A.M., F.S.C. '93 . SYRACUSE, N. Y.
ELLIOT, GEORGE A., A.M., M.D. '87 . NEW YORK CITY
ENGLEHARDT, FRANCIS G., A.M., M.D. '89 . WASHINGTON, D. C.
ETTINGER, WM. L., A.M., M.D. '81 . NEW YORK CITY

*FAGAN, HON. EDW. F., A.M., Ph.D.

'69 . MASPETH, N. Y.
FAGAN, REV. F. M., A.M. . . '83 . WHITESPORT, N. Y.
FAHEY, REV. JOHN T. . . '90 . NORTH EASTON, MASS.
FARLEY, JOHN B. . . . '03 . NEW YORK CITY
FARLEY, EDWARD J., LL.B. . '95 . "
FARLEY, JOSEPH A., LL.B. . '96 . "
FARR, WM. L., M.S., F.S.C. . '93 . BUFFALO, N. Y.
FARRAR, REV. J. W. . . '91 . OSWEGO, N. Y.

*FARRELL, BARTHOLOMEW J., A.M.

'78 . NEW YORK CITY
FARRELL, REV. WILLIAM B. . '87 . HEMPSTEAD, L. I., N. Y.

*FARRELL, REV. WILLIAM A., A.M.

'71 . TARRYTOWN, N. Y.
FARRELL, WILLIAM B. . . '03 . NEW YORK CITY
FARRELL, REV. JOSEPH A. . '95 . NEW BRIGHTON, S. I., N.Y.
FARRELLY, REV. THOS. B. . '92 . NEW YORK CITY
FAULHABER, FRANCIS H. . '00 . "

FAUST, AMBROSE J., LL.D. Causa honoris WASHINGTON, D. C.
FERDINAND, JNO. E., A.M., M.D. '68 . CLIFFSIDE PARK, N. J.
FERNANDEZ, JOSE F., M.D. . '83 . NEW YORK CITY

*FERRER, J. M., A.M., Ph.D., M.D. '76 . "

*FERRY, CHARLES A. . . '93 . NEWBURGH, N. Y.

FINLEY, WILLIAM J., A.M., LL.B. '85 . NEW YORK CITY

FINN, LAWRENCE B., LL.B. . '76 . COHOES, N. Y.

*FISHER, JAMES B., A.M. . '72 . NEW YORK CITY

FITZGERALD, HON. JOHN J., A.M. '91 . BROOKLYN, N. Y.

FITZGERALD, JOHN P. B. . '00 . TROY, N. Y.

FITZPATRICK, FRANCIS J. . '82 . NEW YORK CITY

FITZSIMMONS, REV. JAMES F., A.M., S.T.L.

'85 . DOBBS FERRY, N. Y.

FITZSIMMONS, THOMAS J. . '87 . NEW YORK CITY

FLAHERTY, REV. E. P., S.T.L.	'92	SAG HARBOR, L. I., N. Y.
FLANAGAN, JOHN H., LL.B.	'92	PROVIDENCE, R. I.
FLANAGAN, WM. F., M.D.	'95	"
FLANNELY, REV. J. F., A.M.	Causa honoris	NEW YORK CITY
FLOOD, REV. THOMAS F.	'87	NEWBURGH, N. Y.
FLYNN, EDWARD J.	'00	NEW YORK CITY
FRAWLEY, HON. JAMES J., A.M.,		
	Causa honoris	"
*FOY, REV. WM. J., A.M.	'78	"
*FLYNN, LUKE M., A.M., LL.B.	'79	"
FLYNN, REV. THOMAS S.	'92	UTICA, N. Y.
FLYNN, REV. WILLIAM H.	'97	HARTFORD, CONN.
FOGARTY, REV. MICHAEL E.	'95	NEW YORK CITY
GEARON, WILLIAM A.	'01	PROVIDENCE, R. I.
GALLAGHER, EDWARD M.	'85	OSSINING, N. Y.
GALLAGHER, FRANCIS C.	'80	BROOKLYN, N. Y.
GALLAGHER, J. T., A.M., M.D.	'89	"
GALLIGAN, REV. CHAS. J.	'84	MT. CARMEL, PA.
GALWAY, THOMAS F., Ph.D.		
	Causa honoris	NEW YORK CITY
GANLEY, FRANCIS F.	'03	FORT EDWARD, N. Y.
GANLEY, JOHN M.	'00	FORT EDWARD, N. Y.
GANNON, JOHN F.	'99	PROVIDENCE, R. I.
GARDINER, REV. WILLIAM A.	'87	BATH BEACH, N. Y.
GARDNER, REV. JOHN F.	'85	ATTICA, N. Y.
GARLAND, H. L., A.M., LL.B.	'86	NEW ORLEANS, LA.
GARLAND, ROBERT E.	'87	OPELOUSAS, LA.
GARNETT, THOMAS F.	'70	NEW YORK CITY
GELT, GABRIEL E.	'82	HAVANA, CUBA
GIBLIN, JAMES M.	'89	NEW YORK CITY
GILLIGAN, REV. JOHN E.	'94	ILION, N. Y.
GILMARTIN, REV. PATRICK J.	'00	NEW YORK CITY
GLEASON, EDWIN S., LL.B.	'96	"
GLEESON, REV. MATTHEW C.	'91	"
*GLEESON, WILLIAM E. R.	'81	PITTSBURG, PA.
GLEESON, JAMES J., M.D.	'94	NEW HAVEN, CONN.
GLENNON, JOSEPH J.	'97	HAINES FALLS, N. Y.
GLINNEN, WILLIAM J., M.D.	'94	BROOKLYN, N. Y.
*GLOVER, ROBERT O., A.M.	'66	NEW YORK CITY
GLOVER, F. R., A.M., M.D.	Causa honoris	MOUNT VERNON, N. Y.
GOGGIN, REV. JAMES E.	'86	NEW YORK CITY
GOLDEN, JAMES J.	'00	"
GOVERN, EDWARD J., C.E.	'93	ROCHESTER, N. Y.
*GRADY, JAMES J., A.M., LL.B.	'73	NEW YORK CITY
*GRADY, REV. JOHN M., A.M.	'69	"

GRADY, HON. T. F., A.M.	Causa honoris	NEW YORK CITY
GRANT, WILLIAM E. A.	'98	BROOKLYN, N. Y.
GREANEY, JOHN J.	'98	IRELAND
GREELEY, MICHAEL N.	'88	OMAHA, NEB.
GREENE, REV. JOHN J., A.M.	'79	HARTLAND, ILL.
GREENE, JAS. B., A. M., LL.B.	'89	WASHINGTON, D. C.
GRIFFIN, F. J., A.M., LL.B.	'91	NEW YORK CITY
GRIFFITH, WILLIAM H.	'80	"
*GROVE, J. H., M.D., LL.D.	Causa honoris	PHILADELPHIA, PA.
GUINON, REV. WM. J., D.D.	'82	NEW YORK CITY
HAGGERTY, JOHN J., M.S., F.S.C.	'93	"
HAGGERTY, TIMOTHY J.	'88	BROOKLYN, N. Y.
HAGGERTY, WILLIAM F.	'79	NEW YORK CITY
HAHN, GEORGE V., F.S.C.	'93	"
HALL, REV. JAS. J., A.M.	'78	SOUTH ORANGE, N. J.
HALPIN, P. J., A.M., LL.B.	Causa honoris	NEW YORK CITY
*HALLORAN, REV. ED. J.	'91	"
HANLEY, PETER A.	'99	PROVIDENCE, R. I.
*HANNIGAN, REV. F. E., A.M.	'79	CHESTER, N. Y.
HARRINGTON, REV. JNO. J.	'90	NEW YORK CITY
HASSETT, ED., A.M., LL.B.	Causa honoris	"
HAVARD, LIEUT. COL., V. M.S.	'68	WEST POINT, N. Y.
*HAWKINS, WILLIAM J.	'85	RED BANK, N. J.
HAYES, REV. ALBERT J.	'88	POMPEY, N. Y.
HAYES, D. JAMES, M.D.	'91	TORRINGTON, CONN.
HAYES, REV. JAS. W., A.M.	'71	NEW BRUNSWICK, N. J.
HAYES, REV. PATRICK, J., A.M., S.T.L.	'88	NEW YORK CITY
HEAFY, REV. THOMAS J., A.M., S.T.B.	'86	"
HEALEY, JOHN E.	'01	"
HEFELE, GEORGE H., C.E.	'92	"
HENRY, REV. EDWARD J.	'95	"
HENRY, WALTER G.	'98	"
*HEROLD, J. B., F.S.C., A.M.	'76	"
HEROLD, JUSTIN, A.M., M.D.	Causa honoris	"
HICKEY, P. VALENTINE	'95	BROOKLYN, N. Y.
*HIGGINS, REV. ED. J.	'87	ALBANY, N. Y.
*HIGGINS, REV. J. C., A.M.	'79	SYRACUSE, N. Y.
HOCTOR, JAMES E., LL.B.	'85	NEW YORK CITY
HOLLAND, REV. COR. J., S.T.L.	'95	FALL RIVER, MASS.
HOLLAND, JOSEPH F.	'00	NEW YORK CITY
HOPKINS, REV. JOSEPH A.	'87	OSWEGO, N. Y.
HOPKINS, OTIS A., A.M.	'75	BINGHAMTON, N. Y.
*HORAN, REV. MICHAEL F.	'88	NEW YORK CITY

*HOWARD, REV. J. J., A.M.	'77	HUDSON, N. Y.
HUGHES, J. J., A.M., LL.B.	'91	NEW YORK CITY
HUGHES, WM. C., A.M., LL.B.	'96	BROOKLYN, N. Y.
HUNT, JOSEPH L.	'98	NEW YORK CITY
HURLEY, DANIEL J.	'83	"
*HURLEY, REV. J. A., A.M.	'71	FISHKILL, N. Y.
*IRVING, REV. THOMAS H.	'80	OSSINING, N. Y.
JACKSON, JOSEPH R.	'00	BUTTE, MA.
JORDAN, REV. JOHN T.	'98	PORT CHESTER, N. Y.
KANE, JAMES J. G.	'01	BROOKLYN, N. Y.
KANE, JOS. J., A.M., M.D.	'89	BUFFALO, N. Y.
*KAVANAGH, DANIEL A.	'81	CINCINNATI, O.
KEAN, REV. JOHN J., LL.D.	'66	NEW YORK CITY
KEAN, JOHN J., A.M.	'02	BROOKLYN, N. Y.
KEARNEY, ALFRED A.	'79	NEW YORK CITY
KEARNEY, CHAS. R., LL.B.	'82	"
KEARNEY, JOHN J., LL.B.	'92	"
KEARNS, THOMAS J.	'02	MANCHESTER, N. H.
KEEFE, REV. R. J., A.M.	'76	WHITE PLAINS, N. Y.
KEENAN, ALBERT J., M.D.	'97	BROOKLYN, N. Y.
KEENAN, J. P., A.M., LL.B.	'91	NEW YORK CITY
KEENAN, REV. T. J., A.M.	'85	"
KEENAN, HENRY C., A.M., M.D.	'92	BROOKLYN, N. Y.
KEOGH, HON. MARTIN J., LL.D.		
Causa honoris		
KELIHER, REV. MICHAEL F.	'87	NEW YORK CITY
KELLY, REV. COR. S.	'84	"
KELLY, ED. H., A.M., LL.B.	'85	FALL RIVER MASS.
KELLY, FRANCIS R., LL.B.	'94	NEW YORK CITY
*KELLY, REV. JAS. W., A.M.	'77	"
KELLY, REV. JAS. S., A.M.	'71	"
*KELLY, THEODORE S.	'71	BROOKLYN, N. Y.
KELLY, REV. THOMAS A.	'90	FALL RIVER, MASS.
KELLY, REV. JOHN T.	'96	NEW YORK CITY
KELLY, THOMAS P., F.S.C., C.E.	'96	OAKLAND, CAL.
KENNAH, JAMES B., LL.B.	'85	ALBANY, N. Y.
*KENNEDY, JOHN J.	'80	NEW YORK CITY
KENNEDY, LEO E.	'95	BROOKLYN, N. Y.
KENNEY, JOHN L.	'99	NEW YORK CITY
*KENNY, REV. J. H., A.M.	'83	"
KERENS, R., JR., A.M., LL.B.	'95	ST. LOUIS, MO.
KERWIN, REV. WILLIAM T.	'93	LONG ISLAND CITY, L.I., N.Y.
KIFFIN, JOHN E., A.M.	'99	"

KILDUFF, JOHN J.	'01	TROY, N. Y.
KINNEY, PATRICK R.	'02	NEW YORK CITY
KING, THOMAS J.	'99	PROVIDENCE, R. I.
KIRBY, JAMES P.	'00	CHICOPEE, MASS.
*KIRBY, REV. WILLIAM S.	'85	SOUTHAMPTON, N. Y.
*KOINE, CHARLES M.	'85	BUFFALO, N. Y.
KRACHT, G. W., A.M., LL.B. Causa honoris		NEW YORK CITY
KUERZI, FRANCIS J., LL.B.	'96	"
LALLY, MICHAEL J.	'90	NEW YORK CITY
*LALOR, J. L., A.M., LL.B. Causa honoris		MILWAUKEE, WIS.
LANE, T. R., A.M., LL.B.	'73	NEW YORK CITY
*LANE, WILLIAM E.	'77	HUDSON, N. Y.
LANE, REV. F. A., S.T.L.	'94	SPRINGFIELD, MASS.
LARKIN, JOHN H., A.M., M.D.	'91	NEW YORK CITY
*LARKIN, JOHN T.	'99	"
*LARKIN, WM. R., A. M., M.D.	'79	"
LARKIN, JAMES P., LL.B.	'94	UTICA, N. Y.
LA ROSA, GUSTAVO F.	'03	CUBA
LASTRAPES, BRONIER H.	'86	NEW ORLEANS, LA.
LASTRAPES, W. R. A.M., M.D.	'87	OPELOUSAS, LA.
LAVELLE, REV. FRANCIS E., J.U.L., J.C.D.	'90	NEW YORK CITY
LAVELLE, REV. MICHAEL J., A.M., LL.D.	'73	"
LAVIN, DESIDERIO, M.S.	'01	SANTIAGO, CHILE, S. A.
LEDDIN, MICHAEL J.	'82	NEW YORK CITY
LENES, REV. FRANCIS C., LL.D.	'80	ROSENDALE, N. Y.
LENNON, REV. J. J., A.M.	'86	NEW YORK CITY
LEON, ALEXIS, A.M., M.D.	'75	"
LICARI, JEROME J.	'02	"
LINDSMAN, REV. JOHN L., S.T.B.	'89	OSWEGO, N. Y.
LOFTUS, JAMES F.	'85	BUFFALO, N. Y.
LOGUE, DANIEL F.	'98	NEW YORK CITY
LONARGAN, REV. JOHN P., A.M.	'80	HYDE PARK, N. Y.
LONARGAN, REV. M. J.	'84	NEW YORK CITY
LONERGAN, JOHN E.	'03	BROOKLYN, N. Y.
LOPEZ, MICHAEL S.	'97	"
LOUGHRAN, REV. THOMAS J., A.M.	'83	WOONSOCKET, R. I.
LOUGHRAN, WILLIAM H., A.M.	'82	NEW YORK CITY
LOUGHRAN, THOS. V., LL.B.	'95	"
LOWNEY, REV. DENIS M., A.M.	'84	PROVIDENCE, R. I.
LYNCH, JOHN E.	'82	HAVERSTRAW, N. Y.
LYNCH, FRANCIS J.	'01	NEW YORK CITY
LYNCH, REV. THOS. F., A.M.	'66	"
LYNCH, JAMES C.	'94	OGDENSBURG, N. Y.

LYNCH, HENRY J.	'00 .	NEW YORK CITY
LYONS, FRANCIS J.	'83 .	EVERGREEN, L. I., N. Y.
LYONS, JUSTIN J.	'00 .	NEW YORK CITY
LYONS, MICHAEL J.	'00 .	FALL RIVER, MASS.
McAVOY, FRANCIS S.	'81 .	WASHINGTON HEIGHTS, N. Y.
McAVOY, JOHN V., LL.B.	'97 .	NEW YORK CITY
McAVOY, THOMAS F.	'96 .	"
McBRIDE, JOHN J.	'01 .	RICHFIELD SPRINGS, N. Y.
McCABE, EDW. M., A.M., M.D.	'84 .	NEW HAVEN, CONN.
McCABE, JAMES J.	'82 .	GREEN RIDGE, S. I., N. Y.
McCABE, REV. MICHAEL J.	'89 .	FALL RIVER, MASS.
*McCABE, REV. PATRICK H., A.M.	'75 .	HAVERSTRAW, N. Y.
McCAFFERTY, JOHN A., M.D.	'95 .	NEW YORK CITY
McCARTHY, REV. DANIEL J.	'90 .	BROOKLYN, N. Y.
McCARTHY, REV. F. P.	'83 .	LEWISTOWN, PA.
McCARTHY, THOMAS A., LL.B.	'95 .	NEW YORK CITY
McCLANCY, REV. JOHN P., A.M., LL.D.	'66 .	MIDDLETOWN, N. Y.
McCLOSKEY, MICHAEL J., LL.B.	'95 .	NEW YORK CITY
McCLURE, DAVID, A.M., LL.B. Causa honoris	"	"
McCLUSKY, REV. THOS. J., A.M.	'74 .	BOSTON, MASS.
McCOOBERRY, JOS. T., A.M., LL.B.	'80 .	JERSEY CITY, N. J.
McCORRY, REV. P. J., A.M., C.S.P.	'96 .	NEW YORK CITY
McCUSKER, JOHN F., M.S., M.D.	'86 .	PROVIDENCE, R. I.
McDONOUGH, CHARLES J.	'92 .	BUFFALO, N. Y.
McDONALD, REV. JOSEPH V., A.M.	'87 .	HAMILTON, N. Y.
McDONNELL, JAMES S.	'96 .	BUFFALO, N. Y.
McDOWELL, JOHN E.	'98 .	SYRACUSE, N. Y.
McEVOY, JOSEPH	'03 .	DUNWOODIE, N. Y.
McFADDEN, GEORGE J.	'72 .	BROOKLYN, N. Y.
McGERE, REV. THOS. F., A.M.	'74 .	HAVERSTRAW, N. Y.
McGINNIS, EUGENE F., LL.B.	'96 .	NEW YORK CITY
*McGUINNESS, M. C., A.M., LL.B.	'76 .	BRIDGEPORT, CONN.
McGOLRICK, REV. EDW. J., A.M.	'77 .	BROOKLYN, N. Y.
McGOLDRICK, EDW. V., M.D.	'98 .	"
McGOLDRICK, LAWRENCE	'03 .	"
McGOLDRICK, M., A.M., LL.B. Causa honoris	"	"
McGOLDRICK, PETER J., LL.B.	'98 .	"
McGOLDRICK, THOS. A., A.M., M.D.	'93 .	"
McGOVERN, MATTHEW	'97 .	NEW YORK CITY
McGOVERN, REV. PETER P.	'90 .	VALLEY STREAM, L. I., N. Y.
*McGOVERN, TERENCE A.	'81 .	NEW YORK CITY
*McGOWAN, MICHAEL M., A.M.	'69 .	"
McGRATH, JOSEPH A.	'99 .	"
McGRATH, THOMAS S.	'99 .	"

McGRAW, REV. JAMES P., S.T.B.	'97	SYRACUSE, N. Y.
*McKENNA, EDWARD F.	'83	ALBANY, N. Y.
McKENNA, JOHN B., A.M., M.D.	'84	PROVIDENCE, R. I.
McKENNA, REV. JOSEPH D.	'98	BROOKLYN, N. Y.
McKENNA, WILLIAM J.	'85	FAR ROCKAWAY, L. I., N.Y.
*McKEON, JOSEPH I., A.M., LL.B.	'82	NEW YORK CITY
McLARNON, IRVING J., A.M.	'01	NEW BRIGHTON, S. I.
McLAUGHLIN, HUGH	'74	WESTCHESTER, N. Y.
McLAUGHLIN, REV. PATRICK D.	'94	NEW YORK CITY
McLAUGHLIN, THOMAS J. A.	'00	"
McLEAN, HENRY C., A.M., M.D.	'69	BROOKLYN, N. Y.
*McMAHON, DENISA A., A.M. Causa honoris		MORRISANIA, N. Y.
McMAHON, REV. D. J., A.M., D.D.	'76	NEW YORK CITY
McMAHON, J. B., A.M., Ph.D., M.D.	'73	"
McMAHON, REV. J. H., A.M., Ph.D.	'80	"
*McMANNIS, FRANCIS J.	'81	MOUNT REID, N. Y.
McMANNIS, W. F., A.M., M.D. Causa honoris		NEW YORK CITY
McMANUS, PAT'K A., A.M., LL.B.	'78	"
McMORROW, JAMES W., C.E.	'01	"
McMULLEN, JOHN R.	'86	BROOKLYN, N. Y.
McMULLEN, REV. CHARLES	'76	NEW YORK CITY
McMURRAY, REV. FRANCIS J., A.M.	'92	BROOKLYN, N. Y.
McNALLY, SIMON T., C.E.	'97	NEW YORK CITY
McNAMARA, REV. JAMES J.	'93	MIDDLETOWN, N. Y.
McNAMARA, REV. JAMES F.	'89	NEW YORK CITY
McNAMARA, CHARLES A.	'95	"
McNAMARA, S. J., A.M., M.D.	'89	BROOKLYN, N. Y.
McNAMARA, SYLVESTER J.	'02	"
McNEELY, JAMES A.	'90	"
McPARLAN, EDWARD C., LL.B.	'93	NEW YORK CITY
McPARLAN, THOS. F., A.M., M.D.	'88	"
McPEAK, JOSEPH T., C.E.	'94	"
McQUADE, JOHN J. S.	'98	"
McSHANE, EDWARD H.	'03	BROOKLYN, N. Y.
McSORLEY, PATRICK F.	'00	NEW YORK CITY
*McSORLEY, PETER A.	'70	BROOKLYN, N. Y.
MACDONA, H., A.M., LL.B. Causa honoris		NEW YORK CITY
MACDONALD, JOSEPH R.	'97	"
MACK, SAMUEL J.	'84	"
*MacOSCAR, T., A.M., M.D. Causa honoris		
MADDEN, FRANCIS M.	'90	RONDOUT, N. Y.
MADDEN, HENRY A.	'89	"
MADDEN, REV. THOMAS N.	'93	NEW YORK CITY
MAGEE, JAMES P.	'02	"
*MAGINN, FRANCIS E.	'88	"
MAGRATH, PHILIP J.	'00	"

MAGUIRE, REV. FRANCIS J., A.M., LL.D.	Causa honoris	ALBANY, N. Y.
MAHER, AUGUSTINE F., LL.B.	'90	NEW HAVEN, CONN.
MAHER, S. J., A.M., M.D.	Causa honoris	"
MAHER, JOHN F.	'96	LAFAYETTE, N. Y.
MAHONEY, REV. DANIEL P., A.M.	'88	TROY, N. Y.
MAHONEY, REV. PAT'K J., S.T.D.	'84	GOSHEN, N. Y.
MALANY, THOMAS P.	'72	NEW YORK CITY
MANLEY, THOS., A.M., M.D.	Causa honoris	NEW YORK CITY
MANNING, J. THOMAS, LL.B.	'93	"
MANNING, HENRY E.	'94	WORCESTER, MASS.
*MARA, REV. MICHAEL J.	'91	UTICA, N. Y.
MARREN, JAMES P.	'87	NEW YORK CITY
MARSHALL, REV. GEORGE F.	'85	MILFORD, N. H.
MARTIN, EDWARD A.	'90	TARRYTOWN, N. Y.
MEAGHER, DENIS A., A.M., LL.B.	'67	PORTLAND, ME.
MEEGAN, REV. EDWARD J., S.T.B.	'92	TROY, N. Y.
MEEHAN, REV. WM. F., A.M.	'88	NEW YORK CITY
MERRIGAN, BRENDAN V., LL.B.	'92	"
MERTENS, JOSEPH C., M.S., F.S.C.	'93	"
MILAY, MICHAEL J.	'97	IRVINGTON, N. Y.
MITCHELL, ARTHUR J.	'92	BROOKLYN, N. Y.
*MITCHELL, REV. JAMES H., A.M., LL.D.	'74	"
MITTY, JOHN J.	'01	"
MONAHAN, DAVID H.	'83	SOUTHINGTON, CONN.
MONTAGUE, WILLIAM A., A.M., LL.B.	'95	NEW YORK CITY
MOONEY, DANIEL J.	'03	"
MOONEY, REV. MICHAEL F.	'87	AMSTERDAM, N. Y.
MOORE, REV. FRANCIS P., LL.D.	'80	WAKEFIELD, N. Y.
MOORE, SAMUEL B., A.M.	'97	NEW YORK CITY
MORRIS, EDWARD J., M.D.	'89	BROOKLYN, N. Y.
MORRIS, REV. JOHN J., A.M.	'83	GARDINER, N. Y.
MORRIS, JOHN T., Ph.D.	Causa honoris	BALTIMORE, MD.
MORRISON, RICHARD J., A.M., LL.B.	'69	NEW YORK CITY
MULCAHY, CORNELIUS J.	'98	"
MULLANY, REV. JOHN F., A.M.,	'76	SYRACUSE, N. Y.
MULLINS, DENIS P.	'89	NEW YORK CITY
MUNDELEIN, REV. GEORGE W., S.T.L.	'89	BROOKLYN, N. Y.
MURPHY, JAMES E.	'03	DOVER, N. H.
*MURPHY, FELIX T., A.M., LL.B.	'74	NEW YORK CITY
MURPHY, JOSEPH P., M.D.	'91	BROOKLYN, N. Y.
*MURPHY, REV. M. J., A.M.	'66	ROCKAWAY, N. Y.
MURPHY, JOHN A., M.D.	'94	NEW HAVEN, CONN.

MURPHY, JOHN J. J., C.E.	'02	YONKERS, N. Y.
MURPHY, REV. EDMUND J.	'95	NEW YORK CITY
MURPHY, RICHARD D.	'98	CHICOPEE, MASS.
MURRAY, HUGH A.	'87	NEW YORK CITY
MURRAY, REV. JOSEPH J.	'96	SPARROW'S POINT, N. Y.
MURRAY, REV. LAWRENCE E., A.M.	'83	"
MURRAY, REV. MICHAEL J., A.M.	'78	SAUGERTIES, N. Y.
MURRAY, PATRICK J., M.D.	'92	BROOKLYN, N. Y.
MUSGRAVE, C. J., A.M., M.D.	'84	NEW YORK CITY
NAGLE, JOHN J.	'98	"
NAUGHTON, THOMAS S. W.	'00	OCEANIC, N. J.
NEVILLE, REV. ERNEST P.	'03	ALBANY
NEVIN, JOHN J., A.M., M.D.	'82	JERSEY CITY, N. J.
NEWMAN, GEORGE B.	'98	NEW YORK CITY
*NICHOLSON, JAMES F., A.M.	'77	TROY, N. Y.
*NOLAN, JAMES M., LL.B.	'92	PATERSON, N. J.
NOLAN, ROBERT C.	'02	NEW YORK CITY
*NOONAN, REV. JOHN A.	'71	"
NORRIS, REV. JOSEPH I., S.T.D.	'97	"
NUGENT, JOSEPH A.	'84	"
O'BRIEN, EDMUND A., A.M.	'79	TROY, N. Y.
O'BRIEN, JAMES W., LL.D. Causa honoris		NEW YORK CITY
O'BRIEN, REV. JOHN J.	'92	"
O'BRIEN, MICHAEL C., A.M., M.D.	'78	"
O'BRIEN, REV. THOMAS J., A.M., S.T.L.	'88	BROOKLYN, N. Y.
O'BRIEN, JOHN E., LL.B.	'95	NEWMARKET, N. H.
O'CALLAGHAN, EDW. A., LL.B.	'95	JERSEY CITY, N. J.
O'CONNELL, PATRICK F.	'84	NEW YORK CITY
O'CONNOR, ALOYSIUS G.	'99	"
O'CONNOR, CHARLES G., M.D.	'95	BROOKLYN, N. Y.
O'CONNOR, CHAS. V., A.M., F.S.C.	'81	NEW YORK CITY
*O'CONNOR, REV. E. F., A.M. Causa honoris		CLAYVILLE, N. Y.
O'CONNOR, GILBERT A.	'03	NEW YORK CITY
O'CONNOR, REV. JAMES P.	'79	TROY, N. Y.
O'CONNOR, JAMES P., LL.B.	'94	NEW YORK CITY
O'CONNOR, THOMAS C.	'85	BUFFALO, N. Y.
O'GORMAN, DENIS F.	'90	GETHSEMANE, N. Y.
O'GRADY, JOHN J.	'84	ATHENS, N. Y.
O'KEEFE, GEORGE J., LL.B.	'92	BROOKLYN, N. Y.
O'KEEFE, WILLIAM J.	'96	NEW YORK CITY
O'LEARY, ARTHUR J., A.M., M.D.	'87	"

O'LEARY, CHARLES J.	'89	NEW YORK CITY
O'LEARY, CORNELIUS M., A.M.,		
Ph.D., LL.D., M.D.	Causa honoris	"
*O'LEARY, T. J., A.M., LL.B.	'84	"
O'MARA, THOMAS J., A.M., M.D.	'92	"
O'MEARA, REV. P. J., A.M.	'76	PIERMONT, N. Y.
O'NEIL, E. D., A.M., M.D.	'68	NEW YORK CITY
O'NEIL, FRANCIS J., A. M.	'75	AURORA, ILL.
O'NEIL, REV. DENIS P., A.M.	'78	NEW YORK CITY
O'NEIL, REV. FRANCIS X.	'94	MANCHESTER, N. H.
*O'NEILL, REV. WILLIAM A.	'66	NEW YORK CITY
O'REILLY, GEORGE M.	'98	"
O'REILLY, JAMES J.	'00	PROVIDENCE, R. I.
O'REILLY, REV. THOMAS J., A.M.	'77	COLUMBUS, O.
O'RORKE, JOHN J., M.D.	'74	NEW YORK CITY
O'ROURKE, ANDREW A.	'84	"
O'ROURKE, J. A., A.M., LL.B.	'88	"
O'RYAN, WILLIAM P., A.M.	'99	WESTCHESTER, N. Y.
O'SHEA, WILLIAM J., M.S.	Causa honoris	NEW YORK CITY
*O'SHAUGHNESSY, REV. J. E.	'83	"
O'SULLIVAN, PATRICK S., C.E.	'02	NEW BRITAIN, CONN.
OAKLEY, MARTIN A.	'02	NEW YORK CITY

PAINE, W. S., Ph.D., LL.D.	Causa honoris	"
PECH, JAMES, Ph.D., LL.D.	Causa honoris	"
PELTIER, PAUL, A.M.	Causa honoris	ST. LOUIS, MO.
PENNY, REV. WILLIAM L.,		
LL.D.	Causa honoris	NEW YORK CITY
PETRIE, ALBERT W.	'90	"
PFOHL, EDWARD N., A.M., M.D.	'85	BUFFALO, N. Y.
PHELAN, JAMES T., C.E.	'97	NEW YORK CITY
PHELAN, THOMAS F.	'88	TROY, N. Y.
PHELAN, REV. THOMAS P.	'91	NEW YORK CITY
PHELAN, JOHN J., LL.B.	'95	"
PODVIN, ED. C., A.M., M.D.	'95	JOHNSTOWN, N. Y.
POMMERER, ROBERT W., C.E.	'01	NEW YORK CITY
PRENDERGAST, REV. ED. R., A.M.	'79	BOONVILLE, N. Y.
PRIAL, JOHN J.	'90	NEW YORK CITY
PURCELL, REV. W. A., A. M.	'78	CLIFFSIDE, N. J.
*PYNE, PATRICK H., A. M.,		
M.D.	Causa honoris	YONKERS, N. Y.

QUIGLEY, JOHN J., A.M., M.D.	'81	NEW YORK CITY
QUINN, REV. DANIEL A.	'91	"
QUINN, DAVID I.	'99	PROVIDENCE, R. I.
QUINN, DENIS J., A.M., LL.B.	'86	NEW YORK CITY

*QUINN, PIERCE J., A.M., LL.B.	'79	NEW YORK CITY
QUINN, PETER J.	'86	PAWTUCKET, R. I.
*QUINN, REV. WM., A.M.	'87	NEW YORK CITY
QUINN, WILLIAM V., M.D.	'97	UTICA, N. Y.
RADFORD, HENRY V., M.S.	'01	NEW YORK CITY
RAFFERTY, PETER P., M.D.	'94	RED BANK, N. J.
REILLY, CHARLES B.	'89	PROVIDENCE, R. I.
REILLY, JOHN, A.M., LL.B. Causa honoris		NEW YORK CITY
RENGEL, REV. EDWARD J., S.T.B.	'88	ANDOVER, N. Y.
RENAHAN, EDWARD J.	'88	YONKERS, N. Y.
*RIGNEY, REV. J. C., A.M.	'76	FORDHAM, N. Y.
RIORDAN, HON. DANIEL J.	'90	NEW YORK CITY
RIORDAN, JAMES J.	'02	"
*ROBINSON, CHARLES T., M.D.	'92	"
ROCHE, REV. ANDREW T.	'94	"
ROCHE, DAVID P.	'98	"
ROCHE, EDWARD F.	'01	MANCHESTER, N. H.
ROCHE, NICHOLAS J.	'84	NEW YORK CITY
ROCHE, WILLIAM J., A.M. Causa honoris		TROY, N. Y.
ROCHE, WILLIAM J.	'99	NEW YORK CITY
*RODGERS, DOMINICK	'83	PHILADELPHIA, PA.
RONAN, JOSEPH F.	'86	NEW YORK CITY
RONAYNE, JOHN A., M.D.	'93	WORCESTER, MASS.
RONAYNE, REV. PATRICK T.	'85	STAPLETON, S. I., N. Y.
ROWAN, JOHN P., M.D.	'95	BROOKLYN, N. Y.
RUHL, ANTHONY G.	'95	NEW YORK CITY
RYAN, JOHN H., A.M.	'86	"
RYAN, MOST REV. P. J., LL.D.		Causa honoris PHILADELPHIA, PA.
RYAN, WILLIAM A.	'03	UTICA, N. Y.
RYBACK, VICTOR F.	'94	NEW YORK CITY
SAIZAN, JOS. P., A.M., M.D.	'86	OPELOUSAS, LA.
SALTER, REV. JOHN B., A.M.	'69	TUCKAHOE, N. Y.
SANDER, REV. GEO. D., A.M.	'84	BROOKLYN, N. Y.
SAPHORE, EDWARD E.	'03	NEW YORK CITY
SCHLUETER, FREDERICK P. A.	'02	"
SEYMOUR, F. L. A., C.E., M.S.	'94	"
*SHALLEW, WILLIAM J.	'93	YONKERS, N. Y.
*SHANDLEY, EDWARD F.	'88	NEW YORK CITY
SHANDLEY, THOMAS B.	'83	"
SHAW, JAMES J.	'83	WHITE PLAINS, N. Y.
*SHEA, DENIS L., A.M., M.D.	'87	NEW YORK CITY
SHEA, JOHN J., M.D.	'93	"
SHEA, MICHAEL F.	'98	MANCHESTER, N. H.

SHEEHAN, WM. J., M.D.	'92	NEW HAVEN, CONN.
SHEIL, JAMES J.	'97	NEW YORK CITY
SHEIL, PETER A., LL. B.	'96	"
SHERIDAN, FRANCIS J., A.M.	'75	"
SHERIDAN, PETER P.	'03	"
*SHERIDAN, REV. P. F., A.M. Causa honoris		LONG ISLAND CITY, N. Y.
SIMS, ALFRED F., M.S.	'82	ALBANY, N. Y.
SINNOTT, E. M.	'01	NEW YORK CITY
SINNOTT, P. J., A.M., LL.B.	'89	"
SKELLY, LAWRENCE P., M.D.	'88	SUSQUEHANNA, PA.
SLATTERY, REV. J. T., A.M.	'86	TROY, N. Y.
SLEVIN, EDWARD W.	'01	NEW YORK CITY
*SMITH, REV. DENIS E.	'85	COHOES, N. Y.
SMITH, GEORGE B., LL.B.	'84	NEW YORK CITY
SMITH, JAMES B., A.M., LL.B.	'77	"
SMITH, J. SHERRY, A.M.	'78	NEW ALBANY, N. Y.
*SMITH, JOHN M.	'75	NEW YORK CITY
SMITH, JOHN R., LL.B.	'79	"
SMITH, THOS. W., A.M., LL.B.	'82	"
SOUTHERN, WILFRED G.	'00	"
STACK, JAMES F. L.	'97	BROOKLYN, N. Y.
STAPLETON, HON. LUKE D., A.M., LL.B. Causa honoris		"
*STAUD, REV. JOHN E.	'79	NEW YORK CITY
STEHLE, FELIX C., C.E.	'92	"
STEERS, THOS. H., A.M., M.D.	'76	"
STEPATH, CHARLES U., C.E.	'98	"
STERN, EDWARD P. G.	'97	"
STERN, WILLIAM S.	'95	"
STOKES, JOHN C.	'98	"
*SULLIVAN, DANIEL	'76	"
SULLIVAN, JEREMIAH F., A.M.	'01	MANCHESTER, N. H.
SULLIVAN, REV. JOHN F.	'86	PROVIDENCE, R. I.
SULLIVAN, JOSEPH F.	'00	BROOKLYN, N. Y.
SULLIVAN, REV. WILLIAM F.	'85	PAWTUCKET, R. I.
SULLIVAN, RAYMOND P.	'03	BROOKLYN, N. Y.
TALTY, FRANCIS E.	'01	BUTTONWOODS, R. I.
*TAYLOR, PHILIP V., A.M., LL.B.	'71	ST. LOUIS, MO.
*THEBAN, WILLIAM H., M.D.	'91	NEW YORK CITY
THORNTON, MICHAEL J., M.D.	'97	ALBANY, N. Y.
THORNTON, REV. THOMAS A.	'84	NEW YORK CITY
TIERNEY, JOSEPH L.	'98	"
TOBIN, MICHAEL F.	'92	"
TONE, FREDERICK A.	'82	"
TORPEY, REV. WALTER J.	'83	WEST WINFIELD, N. Y.
TULLY, REV. JOHN F., A.M.	'83	HARRISVILLE, R. I.

VALLELY, WILLIAM P.	'03	NEW YORK CITY
VICTORY, VINCENT, LL.B.	'89	"
VILLANYI, EMIL J., LL.B.	'92	"
WALSH, FRANCIS M.	'75	"
WALSH, HON. J. J., A.M., LL.B.	'78	"
WALSH, JOHN J., A.M., LL.B.	'89	BOSTON, MASS.
WALSH, MICHAEL P.	Causa honoris	NEW YORK CITY
WALSH, REV. MICHAEL	'89	RIVERDALE-ON-HUDSON,
WALSH, PATRICK E.	'99	MANCHESTER, N. H.
WALSH, PETER D.	'89	BOSTON, MASS.
WALSH, ROBERT J., LL.B.	'01	NEW YORK CITY
*WALSH, THOMAS C.	'79	"
WALSH, THOMAS F.	'94	"
WALSH, JAMES J. S.	'96	"
WARD, JOHN H. F., M.S.	'97	ALBANY, N. Y.
WARD, WILLIAM J.	'96	BROOKLYN, N. Y.
WATERS, REV. JOHN A., A.M.	'77	PORTCHESTER, N. Y.
WELCH, JOSEPH T.	'87	WASHINGTON, D. C.
WENZEL, REV. P. A., A.M.	Causa honoris	SOUTH ORANGE, N. J.
WERNER, JOHN P.	'97	NEW YORK CITY
WHALEN, HON. JNO., A.M., LL.D.	Causa honoris	"
*WHELAN, WM. A.	'83	WEST TROY, N. Y.
WHELAN, WM. J.	'94	NEW YORK CITY
WHITE, PETER P.	'79	GUTTENBURG, N. J.
WHITMORE, B. T., M.D., LL.D.	Causa honoris	NEW YORK CITY
WHITNEY, THOMAS B., C.E.	'97	"
WILD, WM. E.	'87	"
*WILFORD, THOS. F., A.M.	Causa honoris	"
WILKES, ROBERT W.	'02	"
WILLIAMS, ROSWELL D.	'96	"
WOODMAN, REV. CLARENCE E., C.S.P., PH.D.	Causa honoris	"
YORK, REV. JOHN B., A.M.	'84	HUNTINGTON, L. I., N. Y.
YOUNG, JOSEPH A.	'93	BROOKLYN, N. Y.

ACADEMIC DEPARTMENT.

ACADEMIC DEPARTMENT.

The Academic Department offers a four years' course and affords adequate preparation for entrance to one of the College departments. The studies conform to the academic syllabus of the Regents of the University of the State of New York.

The requirements for admission are the preliminary studies prescribed by the Regents. The most favorable time for entrance is at the beginning of the scholastic year. The regular examinations for admission take place on the second Monday in September. Students will, however, be received at any time during the year, but not for a shorter period than five months.

Newly admitted students must present a certificate of good character ; and, if they come from another institution, a letter of honorable dismissal.

Each student, on being admitted, is examined and classified according to his attainments.

The classes are frequently examined, and students are not allowed to pass from one subject to another until they have given evidence of adequate knowledge of that subject. A student who shows by the results of the examinations that he is unable to follow his class will be placed in a lower grade.

The Inspector examines weekly the record of every pupil and reports upon it before the Professors and students of the class.

Summarized reports of the examinations are forwarded to the parents at the end of each term.

Since each report shows the exact standing of the student, it should be carefully examined by his parent or guardian.

Percentages are estimated as follows : From 90 to 100, excellent ; from 80 to 90, very good ; from 70 to 80, satisfactory.

Any percentage below 70 is considered unsatisfactory, and parents are requested to consult with the Inspector on the best means to insure the progress of their sons.

PROMOTIONS. All promotions are based on the results of the several examinations and also on the daily marks. No student will be allowed to pass from one class to another unless he has given satisfactory proof of his ability to follow the higher class. Promotions are generally made at the end of the scholastic year, but a student may be promoted at other times, provided his work shows fitness therefor.

FAILURE IN EXAMINATIONS. A student failing in some of the branches of his class at the final examination may present himself for further examination at the opening of the next term; if then successful, he will be entitled to promotion with his class.

HOME STUDY. At least three hours a day should be given to the preparation of class work.

The active co-operation of parents with the Faculty is essential for the progress of the student; hence parents are requested to insist upon regular attendance and careful preparation of class-work.

DISCIPLINE. Students are expected to act at all times as gentlemen. No one will be retained who is insubordinate or whose society may prove undesirable.

PUNCTUALITY. Punctuality at all sessions and recitations is required. Only cases of urgency should excuse from school, even for half the daily session.

ATTENDANCE. A written excuse from parents or guardian will be required in all cases of absence. This excuse will not be accepted in lieu of tasks omitted.

School opens at 8.30 A. M. and closes at 3.30 P. M. At 11.45 A. M. an hour and a quarter is allowed for luncheon.

Wednesday and Saturday afternoons are the regular weekly half-holidays.

Students who live in the College may not leave the grounds without authorization.

Visiting hours for resident students are from one to five on Sunday afternoon.

COURSES LEADING TO THE ARTS AND TO THE SCIENCE DEPARTMENT.

FIRST ACADEMIC CLASS.

FIRST TERM.

ENGLISH. *Grammar* (3)—
Composition (1)—
Literature (1) } As required by Regents' first year
English.

HISTORY. *Ancient History* (5)—From the earliest civilization in Egypt to the establishment of a western empire by Charlemagne. Wolfson: *Essentials in Ancient History*.

MATHEMATICS. *Algebra* (3)—The first IX Chapters of Wentworth's *School Algebra*.

Geometry (3)—Book I, of Wentworth's *Plane Geometry*, including all exercises.

Arithmetic (3)—Review of Regents' requirements for Arithmetic in the pre-academic course with special emphasis on the metric system.

FRENCH. *Grammar* (4)—Elementary grammar, translation, conversation as required for Regents' first year French.

DRAWING. *Linear Drawing* (2)—*Christian Brothers' Elementary Course*, Book I, with practice in lettering.

ELOCUTION. (1)

RELIGION. (2)

SECOND TERM.

ENGLISH. *Grammar* (1)—
Composition (1)—
Literature (3)— } As required by Regents' first year
English.

HISTORY. *Ancient History* (5)—From the earliest civilization in Egypt to the establishment of a western empire by Charlemagne.

Wolfson : *Essentials in Ancient History*.

MATHEMATICS. *Algebra* (3)—The first XII chapters of Wentworth's *School Algebra*.

Geometry (3)—Book II, of Wentworth's *Plane Geometry*, including exercises.

Arithmetic (3)—Review of Regents' requirements for Arithmetic in the pre-academic course with special emphasis on the metric system.

FRENCH. *Grammar* (4)—Elementary grammar, translation, reading at sight, conversation, as required for Regents' first year French.

DRAWING. *Linear Drawing* (2)—Book I, *Christian Brothers' Elementary Course*, with special emphasis on lettering.

ELOCUTION. (1)

RELIGION. (2)

SECOND ACADEMIC CLASS.

FIRST TERM.

ENGLISH. *Rhetoric* (1)—
Composition (1)—
Literature (3)— } As required by Regents' second
year English.

HISTORY. *Mediæval and Modern European History* (5)—From the death of Charlemagne to the present time.

MATHEMATICS. *Algebra* (2)—The first XV chapters of Wentworth's *School Algebra*.

Geometry (3)—Book III, including exercises of Wentworth's *Plane Geometry*.

FRENCH. *Grammar, etc.*, (4)—Elementary grammar.

Translation into English. }
Translation into French. } As required by Re-
Repetition from Memory. } gents' second year
French.

GERMAN. *Grammar* (4)—Elementary grammar, translation, conversation, as required for Regents' first year German.

DRAWING. *Linear Drawing* (2)—Book II, *Christian Brothers' Elementary Course*, with special emphasis on lettering.

ELOCUTION. (1)

RELIGION. (2)

SECOND TERM.

ENGLISH. *Rhetoric* (1)—
Composition (1)—
Literature (3) } As required by Regents' second year English.

HISTORY. *Mediæval and Modern European History* (5)—From the death of Charlemagne to the present time.

MATHEMATICS. *Algebra* (2)—The first XVII chapters of Wentworth's *School Algebra*.

Geometry (3)—Book IV, including exercises of Wentworth's *Plane Geometry*.

FRENCH. *Grammar* (4)—Elementary Grammar.

Translation into English. } As required by Regents' second year
Translation into French. } French.
Repetition from memory. }

GERMAN. *Grammar* (4)—(a) Elementary Grammar.

Reading at sight. } As required by Regents'
Translation. } first year German.
Conversation. }
Letter writing. }

DRAWING. *Linear Drawing* (2)—Book II, *Christian Brothers' Elementary Course*, with special emphasis on lettering.

ELOCUTION. (1)

RELIGION. (2)

THIRD ACADEMIC CLASS.

FIRST TERM.

ENGLISH. *Composition* (Description) (1)— } As required by Re-
Literature (4)— } gents' third year
English.

HISTORY. *English History* (4)—

MATHEMATICS. *Algebra* (3)—Quadratic equations, Wentworth's
School Algebra.

Geometry (3)—Book V, including exercises of Wentworth's *Plane Geometry*.

FRENCH. *Grammar* (4)—

Translation into English. } As required by Re-
Translation into French. } gents' third year
Repetition from memory. } French.
French authors.

GERMAN. *Grammar* (4)—

Translation into English. } As required by Re-
Translation into German. } gents' second year
Repetition from memory. } German.

DRAWING. *Projections* (2)—Book I, *Christian Brothers' Course*.

ELOCUTION. (1)

RELIGION. (2)

*PHYSICS. (3) Avery: *Elements of Natural Philosophy*.

SECOND TERM.

ENGLISH. *Composition* (1)—Narration. } As required by Regents'
Literature (4)— } third year English.

HISTORY. *English History* (4)

MATHEMATICS. *Algebra* (3)—Wentworth's *School Algebra* completed.

Geometry (3)—Books VI and VII, including exercises of Wentworth's *Plane and Solid Geometry*.

*On Tuesday and Friday from 3:30 to 5 P. M.

- FRENCH. *Grammar* (4)
 Translation into English.
 Translation into French.
 Repetition from Memory
 French authors. } As required for Regents'
 third year French.
- GERMAN. *Grammar* (4)
 Translation into English.
 Translation into German.
 Repetition from Memory. } As required for Regents'
 third year French.
- DRAWING. Projections (2)—Book I.—*Christian Brothers' Course*.
- ELOCUTION. (1)
- RELIGION. (2)
- *PHYSICS. (3)—Avery: *Elements of Natural Philosophy*.

FOURTH ACADEMIC CLASS.

FIRST TERM.

- ENGLISH. *English Reading* (4) — As required by Regents' Course.
- HISTORY. *American History and Civil Government* (4).
- MATHEMATICS. *Geometry* (3)—Book VIII, including exercises of Wentworth's *Plane and Solid Geometry*.
Advanced Arithmetic (2)—Regents' requirements.
- FRENCH. *College Entrance* (4)—Review of grammar, and careful preparation of the matter required by College Entrance Examination Board.
- GERMAN. *Grammar* (4)—
 Translation into English.
 Translation into German.
 Repetition from Memory.
 German authors. } As required for Regents'
 third year German.
- N. B.—*Special attention to be given to College Entrance Requirements.*

*On Tuesday and Friday from 3.30 to 5 P. M.

- DRAWING. *Projections* (2)—Book II—*Christian Brothers' Course*.
 ELOCUTION. (1)
 RELIGION. (2)
 CHEMISTRY. *College Entrance Requirements* (2)—Recitations and lecture-table demonstrations.
 **Laboratory Work* (3)—As required for College Entrance.

SECOND TERM.

- HISTORY. *English Reading* (4)—As required by Regents' Course.
 HISTORY. *American History and Civil Government* (4).
 MATHEMATICS. *Trigonometry* (3)—Wells' *Plane Trigonometry*.
 FRENCH. *College Entrance* (4)—Review of grammar and careful preparation of the matter required by College Entrance Examination Board.
 GERMAN. *Grammar* (4)—
 Translation into English.
 Translation into German.
 Repetition from Memory.
 German authors. } As required for Regents' third year German.

N. B.—*Special attention to be given to College Entrance Requirements.*

- DRAWING. *Projections* (2) Book II.—*Christian Brothers' Course*.
 ELOCUTION. (1)
 RELIGION. (2)
 CHEMISTRY. *College Entrance Requirements* (2)—Recitations and lecture-table demonstrations.
 * *Laboratory Work* (3)—As required for College entrance.
 PHYSICAL GEOGRAPHY.—*Regents' requirements* (2).

* On Tuesday and Friday, from 3.30 to 5 P. M.

COMMERCIAL DEPARTMENT.

COMMERCIAL DEPARTMENT.

Students who desire to prepare for mercantile life, will find every facility in the Commercial Department. This department does not limit itself to purely business branches, but also includes subjects of general culture.

English composition and letter-writing receive special attention, and the student is required to treat prescribed subjects in a manner that will enable him to write with ease and elegance reports on a given topic, circulars and other kindred work. Questions relating to political economy and commercial law are discussed in the classroom, in order to give the student ideas on the vital questions of daily life. Weekly lessons are given in the art of public speaking, thus enabling the student to acquire a graceful and easy delivery.

The mathematics taught include not only a complete course of commercial arithmetic, but also an elementary course of geometry and algebra.

The students receive a thorough course in standard business methods and in banking transactions.

Phonography and typewriting are parts of the course, and opportunity is offered for practice in these branches of office work.

The rules governing the Commercial Department are similar to those of the Academic Department.

Students who complete the commercial course receive a certificate as a guarantee of their fitness for mercantile employment.

PRIZES AND MEDALS.

The Brother Charles Memorial Medal, founded by the Commercial Alumni Society, is awarded to the student having the highest record for general proficiency.

The Kean Medal for religious instruction, donated by the Reverend John J. Kean, A.M., LL.D., '66, is open to all students of the Commercial Department.

COURSES OF STUDY.

FIRST YEAR.

ENGLISH (6)—Grammar, chiefly syntax.

Composition : simple stories and essays drawn from the pupils' environment and from the literature of the course.

Literature, for reading : *Ivanhoe*.

HISTORY (4)—United States history.

ARITHMETIC (6)

SPELLING (5)

BOOK-KEEPING (2)

PENMANSHIP (3)

RELIGION (2)—Council of Baltimore.

SECOND YEAR.

BUSINESS ENGLISH (6)—Practical exercises in English composition, letter-writing, business documents, contracts, reports, etc.

BUSINESS WRITING (3)—Exercises in legibility, accuracy, speed, and neatness.

SPELLING (5)

BUSINESS ARITHMETIC (6)—Exercises in coördination with book-keeping, to secure accuracy and skill in business computation.

BOOK-KEEPING (6)—Computations, business transactions, business forms and correspondence.

RELIGION (2)—Council of Baltimore.

THIRD YEAR.

BUSINESS ENGLISH (5)—Exercises in English composition letter-writing, drawing up of business Documents, Contracts, Reports

BOOK-KEEPING (4)—Exercises to enable the student to open and keep accurately ordinary business accounts.

TYPEWRITING (3)—Elementary exercises—Touch system. Dictation.

BUSINESS PRACTICE (2)—Manner and method of conducting business, office methods.

STENOGRAPHY (4)—Graham's method of shorthand begun. Simple reporting styles.

ALGEBRA (3)—Simple Equations of two unknowns.

PLANE GEOMETRY (4)—Books, I, II and III of Wentworth's *Plane Geometry*.

ELOCUTION (1)—Individual and concert work.

RELIGION (2)—Dogma, see Courses of Study No. 142.

FOURTH YEAR.

FIRST TERM.

BUSINESS ENGLISH (3)—Continuation of preceding year's work.

STENOGRAPHY (4)—Advanced reporting style—speed writing, dictation of matter at rate of a hundred words per minute.

ADVANCED BOOK-KEEPING (4)—Partnership business, shipments, consignments, special column journal.

COMMERCIAL LAW (2)—Contracts, negotiable paper, partnerships, agents, insurance.

COMMERCIAL GEOGRAPHY (3)—Tilden's text on the subject.

TYPEWRITING (4)—Writing of matter at rate of forty words a minute, office work.

ALGEBRA (2)—Quadratic equations.

PLANE GEOMETRY (3)—Books IV and V. Wentworth's *Plane Geometry*, review of previous year's work.

ELOCUTION (1)—Individual and concert work.

RELIGION (2)—Desharbes' Catechism.

SECOND TERM.

BUSINESS ENGLISH (3)—Continuation of first term's work.

STENOGRAPHY (6)—Advanced reporting style, dictation of matter at rate of a hundred and fifty words per minute.

ADVANCED BOOK-KEEPING (6)—Continuation of preceding term's work.

CIVICS (3)—Local, state and federal government ; international relations, leading forms of government, laws of American citizenship.

HISTORY OF COMMERCE (3)—Origin and early development of commerce, its influence on civilization.

TYPEWRITING (4)—Writing of matter dictated at rate of fifty words per minute, office work.

ELOCUTION (1)—Individual and concert work.

RELIGION (2)—Desharbes' Catechism.

Officers of Manhattan College Commercial Alumni Society.

President, JAMES A. CUNNION, '85.

First Vice-President, MARCUS T. O'REILLY, '98.

Second Vice-President, FRANCIS CONNELL, '74.

Historian, JOHN H. CUMMINGS, '94.

Secretary, WILLIAM A. MOORE, '94.

Treasurer, HENRY J. BRADLEY, '83.

COMMERCIAL ALUMNI ASSOCIATION.

(*Deceased.)

AHERN, WILLIAM J.	'87	NEW YORK CITY
ALLEN, EDGAR J.	'88	TROY, N. Y.
AUERT, JUSTIN A.	'88	DEERFIELD, N. Y.
ARREDONDO, ANTONIO	'80	CIENFUEGOS, CUBA
ARREYO, REMIGIO	'76	MADRID, SPAIN
BANIGAN, JOHN J.	'79	PROVIDENCE, R. I.
*BANIGAN, WILLIAM B.	'83	"
BARTON, CHARLES B.	'99	MARINER'S HARBOR, N. Y.
BARRY, WILLIAM P.	'99	TICONDEROGA, N. Y.
BATTLE, HUGH R.	'94	NEW YORK CITY
BECKINGHAM, DANIEL F. . . .	'02	"
BERGIN, WILLIAM	'74	"
BLANCK, WILLIAM A.	'89	"
BRADLEY, HENRY J.	'83	"
BROPHY, MARTIN J.	'87	GRASSY POINT, N. Y.
BROWNE, HENRY P.	'90	HOUSTON, TEX.
BOYLAN, TERENCE	'75	NEW YORK CITY
BURDETT, LESTER C.	'01	FORT LEE, N. J.
BURDETT, HENRY W. E. . . .	'01	"
BURROUGH, ROBERT D. . . .	'96	NEW YORK CITY
BYRNES, BERNARD L.	'97	"
CALLAHAN, JOHN W.	'98	"
CARROLL, JOHN J.	'91	"
CLARK, JOHN L.	'85	CORNING, N. Y.
CLARKE, JOHN T.	'83	BROOKLYN, N. Y.
COEN, EDWARD J.	'86	NEWPORT, R. I.
COGLIN, WILLIAM A.	'94	HOLYOKE, MASS.
CONKLE, WALTER J.	'85	KANSAS CITY, MO.
CONLON, WILLIAM P.	'93	WATERBURY, CONN.
CONNELL, FRANCIS	'74	NEW YORK CITY
CONNOUGHTON, JAMES E. . . .	'02	OSSINING, N. Y.
CONRY, ELLIOT	'71	PHILADELPHIA, PA.
CORCORAN, WILLIAM P. . . .	'02	OSSINING, N. Y.
CORNWELL, ALBERT J.	'03	NEW YORK
COUGHLIN, DANIEL W.	'96	NEW YORK CITY

*CREENANE, JAMES	'80 .	NEW YORK CITY
CROWLEY, TIMOTHY F.	'97 .	"
CUMMINGS, JOHN H.	'94 .	MIDDLETOWN, N. Y.
CUMMINGS, JOHN L., LL.B	'99 .	"
CUNNION, JAMES A.	'85 .	NEW YORK CITY
CURRAN, ANDREW J.	'86 .	"
DALY, JAMES	'73 .	SAVANNAH, GA.
DALY, JOSEPH F.	'83 .	BROOKLYN, N. Y.
DALTON, JEREMIAH J.	'90 .	"
DEMPSEY, EDWARD F.	'88 .	NEW YORK CITY
DEMPSEY, JOSEPH A.	'96 .	BROOKLYN, N. Y.
DEVINE, JOSEPH A.	'93 .	NEW YORK CITY
DIVERS, PHILIP	'75 .	"
DONAHUE, PAUL P.	'85 .	PHILADELPHIA, PA.
DORFLINGER, CHARLES	'73 .	NEW YORK CITY
DOMINGUEZ, J. MANUEL	'93 .	CUBA
*DONNELLY, JOSEPH A.	'89 .	PAWTUCKET, R. I.
DONNELLY, JOSEPH T.	'91 .	COLLEGE POINT, L. I., N. Y.
*DONNELLY, MICHAEL A.	'95 .	NEW YORK CITY
DONOVAN, CHARLES J.	'01 .	"
DOUGHERTY, WM. A.	'78 .	"
DOYLE, WILLIAM	'76 .	GREAT FALLS, N. Y.
*DUGAN, JAMES F.	'72 .	STATEN ISLAND
DUNN, FRANCIS W.	'88 .	IRVINGTON, N. Y.
DUNN, HENRY	'72 .	NEW YORK CITY
DUNPHY, JOHN F.	'93 .	PORTSMOUTH, N. H.
DUNPHY, RICHARD J.	'79 .	NEW YORK CITY
DURIO, CYRIACUS	'84 .	ARNAUDVILLE, LA.
EGAN, DANIEL F.	'90 .	NEW YORK CITY
EILBACHER, AUGUST	'95 .	ELIZABETH, N. J.
ELLIOT, WARREN	'74 .	CINCINNATI, O.
ENTWISTLE, JILSON	'71 .	WASHINGTON, D. C.
ESCALANTE, NICHOLAS	'88 .	MERIDA, YUCATAN
FAGAN, JOSEPH	'74 .	BROOKLYN, N. Y.
FAY, JOSEPH	'76 .	NEW YORK CITY
FINEGAN, JAMES E.	'99 .	HAVERSTRAW, N. Y.
FINNEGAN, JOHN	'77 .	BROOKLYN, N. Y.
FITZGERALD, MICHAEL	'78 .	TROY, N. Y.
FITZPATRICK, WM. J.	'99 .	BEDFORD PARK, N. Y.
FLANNAGAN, JOSEPH P.	'98 .	NEW YORK CITY
FLYNN, JOHN	'75 .	"
FOX, PATRICK	'76 .	"

GABRIELS, PAUL J.	'99	WATERVLIET, N. Y.
GALLAGHER, VINCENT J.	'85	BROOKLYN, N. Y.
GARRY, FRANCIS S.	'01	NEW YORK CITY
GARVEY, HENRY S.	'99	ADAMS, MASS.
GAUTIER, LOUIS P.	'92	NEW YORK CITY
GIRALDI, PHILIP E.	'93	"
GLENNAN, JAMES A.	'79	"
GOODWIN, WILLIAM J.	'96	"
GONZALES, MIGUEL P.	'88	LA PAZ, MEXICO
GONZALES, PABLO M.	'89	"
GRAHAM, JOHN MARTIN	'93	NEW YORK CITY
GRIFFIN, JOHN	'72	SAN FRANCISCO, CAL.
HALL, ROBERT L.	'78	JERSEY CITY, N. J.
HAMILTON, WALTER S.	'98	NEW YORK CITY
HARDEY, ROBERT O.	'84	CHATAIGNIER, LA.
HARDEY, THOMAS S.	'86	LANTO, LA.
HEATON, CHARLES A.	'96	NEW YORK CITY
HENRY, MICHAEL F. J.	'97	BROOKLYN, N. Y.
HEROLD, JUSTIN B., M.D.	'77	NEW YORK CITY
HOEFT, FREDERICK	'76	BROOKLYN, N. Y.
HOGAN, CHARLES J.	'95	GOSHEN, N. Y.
HOWE, WILLIAM F.	'87	NEW YORK CITY
HUEBENER, EDWARD F. X.	'97	WEST HOBOKEN, N. J.
*HYLAND, FRANCIS X.	'96	NEW YORK CITY.
JOHNSON, BERNARD	'75	YONKERS, N. Y.
JUDGE, HENRY J.	'79	ALBANY, N. Y.
KEARNEY, ARTHUR J.	'77	NEW YORK CITY
KEELER, WILLIAM	'74	"
KELLY, JOHN J.	'80	SYRACUSE, N. Y.
KENNELLY, WILLIAM L.	'78	NEW YORK CITY
KILLORAN, BERNARD	'75	"
KILLORAN, JAMES M. J.	'96	"
KILROY, JOHN W.	'01	BUFFALO, N. Y.
KLEIN, ADOLPH P.	'01	NEW YORK CITY
LALOR, CHARLES H.	'95	"
*LARKIN, DR. WILLIAM J.	'75	"
LEAVEY, JAMES B.	'88	BROOKLYN, N. Y.
LEES, JOSEPH K.	'80	NEW YORK CITY
LEIFELS, JOHN	'76	UTICA, N. Y.
LELLIS, WILLIAM J.	'95	NEW YORK CITY
LENAHAN, MICHAEL F.	'93	"

LINDENFIELD, CHARLES F.	'89	LOS ANGELES, CAL.
LUNSTED, WILLIAM J.	'03	RUTHERFORD, N. J.
LYNCH, BERNARD	'75	NEW JERSEY
LYNCH, THOMAS	'80	HAVERSTRAW N. Y.
MACDONA, HENRY C., LL.B	'71	NEW YORK CITY
MADDEN, GEORGE P.	'88	KINGSTON, N. Y.
MAGUIRE, BERNARD J.	'91	TOMKIN'S COVE, N. Y.
MANGIN, THOMAS A.	'90	NEW YORK CITY
McALEER, JAMES E.	'85	"
McANDREWS, PATRICK H.	'87	HAWLEY, PA.
McARTHUR, GEORGE F.	'95	NEW YORK CITY
*McAVOY, THOMAS F.		"
McCARTHY, ALFRED	'84	NEW HAVEN, CONN.
McCARTHY, CHARLES R.	'88	"
McCARTHY, FRANCIS E.	'89	BOSTON, MASS.
*McCARTHY, THOMAS A.		NEW YORK CITY
McCLOSKEY, MICHAEL J., LL.B	'91	"
*McCROHAN, MICHAEL F.	'74	SAVANNAH, GA.
*McDONALD, EDWARD J.	'91	NEW YORK CITY
McGOVERN, GEORGE WILLIAM	'01	"
McGOVERN, NEWTON A.	'97	"
McGUCKIN, JOHN H.	'88	"
McKEON, CHARLES H.	'03	NEW HAVEN, CONN.
McKEON, EDWARD T.	'94	"
McMAHON, EDWARD J.	'99	"
McMAHON, RODERICK J.	'99	"
*McMANIS, JAMES P.	'71	ROCHESTER, N. Y.
McMANUS, JAMES	'74	BROOKLYN, N. Y.
McQUADE, EDWARD A.	'93	NEW YORK CITY
McQUADE, FRANCIS A.	'99	"
MEATH, THOMAS	'71	MEMPHIS, TENN.
MEERT, FREDERICK W.	'90	NYACK, N. Y.
MEERT, VICTOR F.	'91	NEW YORK CITY
MESA, ANTONIO	'74	HAVANA, CUBA
MILLER, CHARLES J.	'85	NEW YORK CITY
MILLER, GEORGE E.	'87	"
MOCLAIR, WILLIAM J.	'98	"
MOLLOY, THOMAS J.	'96	SYRACUSE, N. Y.
MONAHAN, JOHN	'74	NEW YORK CITY
MOONEY, FRANCIS J.	'80	RONDOUT, N. Y.
MOORE, EDWARD, J.	'03	NEW YORK
MOORE, WILLIAM A.	'94	NEW YORK CITY
*MORLOT, GEORGE M.	'86	PATERSON, N. J.
MORRISSEY, PATRICK M.	'90	HAVERSTRAW, N. Y.
MULDOON, JOHN P.	'83	NEW YORK CITY
MURPHY, JOSEPH P., M.D.	'88	BROOKLYN, N. Y.

NAUGHTON, WILLIAM M.	.	'94	.	OCEANIC, N. J.
NEVILLE, JAMES J.	.	'95	.	NEW YORK CITY
NORRIS, ALFRED	.	'72	.	CINCINNATI, O.
O'BRIEN, THOMAS H.	.	'01	.	OCEANIC, N. J.
O'CONNELL, TIMOTHY J.	.	'98	.	NEW YORK CITY
O'CONNOR, ALOYSIUS G.	.	'94	.	GLENS FALLS, N. Y.
O'DONOVAN, ALFRED J.	.	'98	.	NEW YORK CITY
O'NEILL, THOMAS J.	.	'92	.	"
O'REILLY, MARCUS T.	.	'98	.	KINDERHOOK, N. Y.
O'SHEA, THOMAS E.	.	'86	.	YONKERS, N. Y.
O'SULLIVAN, DENIS E.	.	'92	.	NEW YORK CITY
OSBORNE, AUGUSTINE	.	'97	.	"
PIERDA, CLAUDIO J.	.	'99	.	MATANZAS, CUBA
PIZZINI, ALBERT A.	.	'03	.	RICHMOND, VA.
POMMERER, WILLIAM C.	.	'91	.	NEW YORK CITY
POWERS, JOHN C.	.	'03	.	NEW YORK CITY
PRESTON, JOSEPH E.	.	'83	.	ROCHESTER, N. Y.
PHILLIPS, JAMES J.	.	'92	.	NEW YORK CITY
QUINN, JOHN J.	.	'89	.	"
QUINN, WILLIAM E.	.	'01	.	NEWARK, N. J.
RAMELLA, PABLO	.	'77	.	CARACAS, VENEZUELA
REGAN, JAMES	.	'84	.	NEW YORK CITY
REDDING, WILLIAM J.	.	'79	.	"
REILLY, JAMES	.	'76	.	"
ROCHE, EDWARD B.	.	'72	.	"
ROCK, ROYAL E.	.	'03	.	CENTREDALE, R. I.
ROGERS, JOHN	.	'74	.	RICHMOND, VA.
RONAN, JOHN	.	'74	.	ALBANY, N. Y.
*RONAN, JAMES B.	.	'77	.	"
RYAN, JOSEPH P.	.	'98	.	NEW YORK CITY
RYAN, MICHAEL F.	.	'96	.	"
SAIZAN, JOSEPH P., M.D.	.	'83	.	NEW ORLEANS, LA.
SCHALL, XAVIER	.	'71	.	PHILADELPHIA, PA.
SCOTT, JAMES	.	'71	.	PITTSBURGH, PA.
SCOTT, JOHN J.	.	'79	.	COHOES, N. Y.
SHANKEY, JOHN	.	'75	.	HAVERSTRAW, N. Y.
SHEA, CORNELIUS E.	.	'88	.	NEW YORK CITY
SHEEHAN, EDW. A.	.	'87	.	NEW HAVEN, CONN.
*SHERIDAN, PHILIP H.	.	'84	.	NEW JERSEY
SMITH, JAMES T.	.	'84	.	"
SMITH, RICHARD J.	.	'95	.	NEW YORK CITY

STEINAU, HENRY C.	.	.	'03	.	NEW YORK CITY
SUAREZ, ANTONIO M.	.	.	'90	.	HAVANA, CUBA
TRAINOR, PETER F. A.	.	.	'02	.	NEW YORK CITY
VANVALKENBURGH, G. B.	.	.	'90	.	LEXINGTON, KY.
VINDOSOLA, JOSE Y.	.	.	'78	.	HAVANA, CUBA
VINCENT, ARSENE P.	.	.	'90	.	VERSAILLES, FRANCE
*WALLACE, JAMES A.	.	.	'79	.	ALBANY, N. Y.
WALSH, CHARLES H.	.	.	'02	.	NEW YORK CITY
WALSH, MILTON C.	.	.	'99	.	"
WARD, JOHN E.	.	.	'91	.	YONKERS, N. Y.
WATERS, GEORGE W.	.	.	'84	.	NEW YORK CITY
*WATERS, FRANCIS D.	.	.	'78	.	ROCHESTER, N. Y.
WEIS, FREDERICK J.	.	.	'86	.	WATERBURY, CONN.
WELCH, EDWARD F.	.	.	'93	.	PORTSMOUTH, N. Y.
WESTON, JOSEPH J.	.	.	'91	.	NEW YORK CITY
WHITE, FRANCIS P., LL.M.	.	.	'77	.	WASHINGTON, D. C.
WILLARD, WALTER J.	.	.	'86	.	NEW YORK CITY
WYNN, GEORGE H.	.	.	'97	.	"
YTURIE, EMANUEL	.	.	'76	.	HAVANA, CUBA

COLLEGE SOCIETIES.

LECTURE COURSES.

STUDENTS' ROLL.

COLLEGE SOCIETIES.

MANHATTAN COLLEGE ALUMNI SOCIETY.

The object of the Society is to keep alive among the Alumni the sentiment of affection for their Alma Mater, and to unite the graduates of successive years by a common tie of fellowship.

Regular meetings are held on Commencement day, after the graduating exercises, and on the 22d of February.

There are three reunions of the Society each year : at the Alumni dinner, at the Memorial Mass on Decoration day, and at the reception of the newly graduated class on Commencement day.

MANHATTAN COMMERCIAL ALUMNI SOCIETY.

The Manhattan Commercial Alumni Association was organized September 5, 1901. Two meetings are held yearly.

DE LA SALLE LITERARY UNION.

This Society is confined to the students of the Senior year. The end proposed is the free discussion of questions pertaining to philosophy, which have been suggested, but not fully treated in the class room. The Professor of English Literature acts as moderator.

NEWMAN LITERARY UNION.

The members of the Junior Class belong to this Society. The exercises, consisting of original essays and debates on literary or other subjects, are held weekly. The Professor of English Literature acts as moderator of this Society.

HUGHES LITERARY UNION.

This Society is open to the students of the Sophomore year. Meetings are held weekly, the principal exercises of which are debates on historical and scientific subjects, and on questions of the day, as well as essays on various topics. The Senior Professor of the class acts as Honorary President.

MCCLOSKEY LITERARY UNION.

This Society, composed of the members of the Freshman Class, holds a weekly meeting. The exercises consist principally of debates on various subjects, to train the students to fluency of speech and readiness in argument.

CORRIGAN LITERARY UNION.

The Students of the Fourth Academic Class have formed themselves into a literary society, which they have named after the illustrious Archbishop of New York. They hold weekly meetings.

COMMERCIAL LITERARY SOCIETY.

The Commercial Department has a literary Society. The students hold weekly meetings and discuss subjects pertaining to their future career in life. The Principal of the department acts as Honorary President.

LECTURES.

The annual course of Lectures to the undergraduates by members of the Alumni Society, was given as follows :

December 12.

“Medicine as a Profession.”

HENRY C. KEENAN, A.M., M.D., '92.

December 19.

“Up Hill Work.”

REV. DANIEL C. CUNNION, A.M., '80.

January 16.

“A Tour through Switzerland.”

WILLIAM C. POMMERER, '91.

January 23.

“The Mosquito as an Agent in the transmission of Disease.”

LIEUT.-COL. VALERY HAVARD, M.S., M.D., '68.

January 30.

“Catholic Education from a Medical Point of View.”

WILLIAM F. FLANAGAN, A.M., M.D., '95.

February 11.

“Rambles through Palestine.”

REV. JOHN F. MULLANY, A.M., LL.D., '76.

February 27.

“The Circulation of the Blood.”

JOSEPH P. BURKE, M.S., M.D., '93.

FIFTIETH ANNUAL COMMENCEMENT OF

Manhattan College

Most Reverend Archbishop Farley, D. D., Presiding



CARNEGIE HALL

Tuesday, June Twenty-third, 1903, at eight p. m.

STUDIES WILL BE RESUMED SEPTEMBER EIGHTH

Order of Exercises

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OVERTURE—"William Tell"

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ORCHESTRA

THE WORLD'S INDEBTEDNESS TO SCIENCE

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KNIGHT-WESTON

"Rocked in the Cradle of the Deep"

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THE SOCIALISM OF THE DAY

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VOCAL QUARTET—"The Night-Watch"

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Order of Exercises

PART II

CHARACTER

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DOUBLE QUARTET—"Life's Vision"

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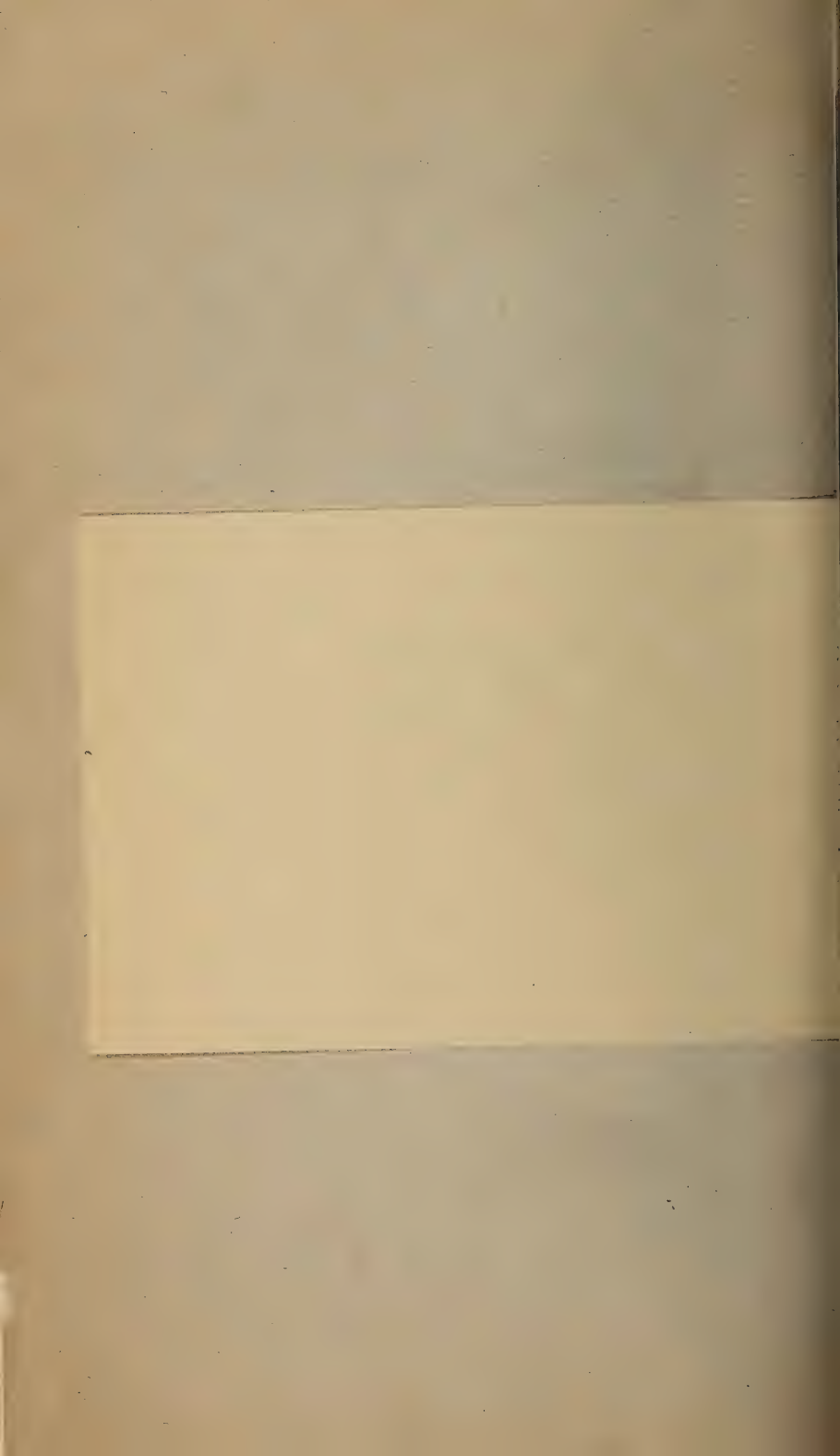
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January	5.—Monday—Christmas Recess ends.
January	18.—Wednesday—Examinations begin.
February	1.—Wednesday—Second Term begins.
February	22.—Wednesday—Washington's Day—Holiday.
February	23.—Thursday—Contest in Oratory.
March	17.—Friday—St. Patrick's Day—Holiday.
April	4.—Tuesday—Contest in Elocution for Academic Classes.
April	22.—Saturday—Easter Recess begins.
May	1.—Monday—Class Exercises resumed.
May	4.—Thursday—Examination in Pedagogy for the Lavelle Medal.
May	15.—Monday—Feast of St. De La Salle—Contest in Oratory for the Grady Memorial Medal.
May	30.—Tuesday—Decoration Day—Memorial Services for the Deceased Alumni—Holiday.
June	5.—Monday—Examinations begin.
June	16.—Friday—Class Day.
June	18.—Sunday—Baccalaureate Sermon.
June	20.—Tuesday—Commencement Exercises.
September	8.—Friday—Entrance Examinations.
September	11.—Monday—Class Exercises begin.

- September 21.—Thursday—Mass of Invocation.
- October 2.—Monday—College Societies reorganize.
- October 2.—Monday—Annual Retreat begins.
- October 11.—Wednesday—Fall Games.
- November 1.—Wednesday—All Saints—Holiday.
- November 30.—Thursday—Thanksgiving Day—Holiday.
- December 8.—Friday—Immaculate Conception—Holiday.
- December 15.—Friday—Seniors' Day.
- December 22.—Friday—Christmas Recess begins.

MANHATTAN COLLEGE.

ANHATTAN COLLEGE was incorporated under its present title in 1863 by the Regents of the University of the State of New York with power to confer the usual academic degrees.

The College offers two departments of study, each comprising Courses. Several courses leading to degrees. The aim of the Institution not only to form Christian gentlemen and good citizens, but also to provide the several courses of study necessary to fit young men for the various walks of life.

The Courses in the Arts Department lead to the degrees of Arts. Bachelor of Arts and Master of Arts. The requirements for admission together with the courses of study pursued, will be found under their proper headings.

The courses in the Science Department lead to the degrees of Science. Bachelor of Science, Master of Science, and Civil Engineer.

The importance of the natural and experimental sciences is Medicine, Law emphasized in the courses given in physics, chemistry, geology Pedagogy. and physiology. These courses are of special benefit to those who intend to study medicine. Of no less advantage for the prospective law student are the courses in logic, political and social science. For students who intend to embrace the teaching profession, there are courses in pedagogy and the history of education, as well as a special course in psychology. These courses are recognized by the Department of Public Instruction of the State of New York, and also by the Board of Education of New York City.

Besides the College proper, there is an Academic Department, Academic Department. comprising a four years' course which prepares for the Freshman class. The grade of work is that of the ordinary high school.

**Commercial
Department.**

The Commercial Department provides for the wants of young men who intend to engage in mercantile pursuits. All the subjects necessary for a thorough business training are included in the programme.

**Preparatory
Department.**

Boys of ten years and over who desire to prepare for the Academic Department and thereby for the College proper are received into the Preparatory Department. The studies are those of the graded grammar school. The pupils of this department have their special study-hall, dining-room and recreation-room.

Discipline.

As the College is conducted by a religious Congregation, every attention is bestowed on the moral and religious training of the students. Christian doctrine is taught in all the classes, and the students are expected to be faithful and regular in the discharge of their religious duties. It is chiefly on moral influence and kindly advice that the College authorities rely to secure gentlemanly deportment and diligence in study. Although the College is Catholic in tone and teaching, it does not exclude non-Catholic students; but good discipline requires that the conform to the general regulations.

The session begins on the second Tuesday in September and ends on the last Tuesday in June. It is divided into two terms, the first beginning on the second Tuesday in September and the second on the first day of February.

The Library. The Library contains 14,000 volumes. Additions are regularly made to keep the general reference section abreast of modern requirements.

The College Museum contains collections for courses in mineralogy, geology, zoölogy, and botany.

**Affiliated
Institutions.**

The courses of study adopted by the institutions affiliated with Manhattan College agree with those pursued in the Academic Department of the College, and thus offer to students graduated from them the privilege of entering the College without further examination. Students from these institutions who desire advanced standing must satisfy the Board of Examiners that their previous studies qualify them for the class which they desire to enter.

MANHATTAN COLLEGE COMPRISES:

THE COLLEGE PROPER, consisting of:

a. THE ARTS DEPARTMENT.

b. THE SCIENCE DEPARTMENT.

THE ACADEMIC DEPARTMENT.

THE COMMERCIAL DEPARTMENT.

THE PREPARATORY SCHOOL.

THE AFFILIATED INSTITUTIONS:

CHRISTIAN BROTHERS' ACADEMY, Albany, N. Y.

CHRISTIAN BROTHERS' ACADEMY, Syracuse, N. Y.

DE LA SALLE INSTITUTE, New York City.

LA SALLE ACADEMY, New York City.

LA SALLE INSTITUTE, Troy, N. Y.

LA SALLE ACADEMY, Providence, R. I.

CLASON POINT MILITARY ACADEMY, New York City.

ST. JOSEPH'S COLLEGIATE INSTITUTE, Buffalo, N. Y.

ST. JOSEPH'S HIGH SCHOOL, Manchester, N. H.

ST. JAMES' HIGH SCHOOL Brooklyn, New York City.

PRIZES AND MEDALS.

Alumni Prize.

1. The Alumni Society offers every year to the students of the Senior class a purse of fifty dollars for the best original English essay. The test consists of two essays. The subject of the first is announced at the beginning of the month of October, and the second essay must be presented not later than the second Tuesday in April. The subject of the second is announced when the candidates are assembled in the examination hall.

2. THE MILMO-McGOWAN MEDAL for religious instruction was founded by Mrs. B. McGowan, in memory of her son, Mr. Michael J. McGowan, '69. This medal is awarded on competitive examination on the subject matter of the four years' course in dogma, moral and church history. The examination takes place at the end of May.

3. THE KELLY MEDAL for philosophy, offered to the students of the Senior class, was founded by the late Mr. Eugene Kelly of New York City. This medal is awarded for proficiency in logic, metaphysics and psychology.

4. THE GRADY MEMORIAL MEDAL for oratory was founded by the Alumni Society in honor of Rev. John M. Grady '66. Two contests are held: the preliminary, on the eve of Washington's Birthday, open to all College students; the final, on the eve of the Feast of St. De La Salle, open to those who receive the highest marks in the first contest.

5. THE MEDAL for the philosophy of history, donated by the Rev. Matthew A. Taylor, is awarded to the student of the Senior class who obtains the highest average in this subject.

6. THE LAVELLE MEDAL for pedagogy, offered by the Right Rev. Monsignor Lavelle, '73, Rector of St. Patrick's Cathedral, New York, is awarded to the student who has the highest percentage for the year.

7. THE HOGUET MEDAL for civil engineering, the gift of the late Chevalier Henry L Hoguet, is awarded to the Senior science student who has the highest record for the year.

8. THE DEVELIN MEDAL for French, founded by Mr. Charles E. Miller, of New York City, in honor of his late friend, Mr. John E. Develin, is offered in competition to the students of the College classes, on the matter of the four years' course.

9. THE RIDDER PURSE of fifty dollars for experimental physics is offered by Mr. Herman Ridder, to the student of the Junior class who obtains the highest marks in this subject during the year.

10. THE RIDDER MEDAL for German, the gift of Mr. Herman Ridder, is awarded to the student of the Junior class who has the highest record for the year.

Three scholarships for day students are awarded annually, the examination takes place in the first week of July.

The attention of friends and patrons is invited to the conditions necessary to found a scholarship. The amount required for a day student is fifteen hundred dollars; for a resident student, six thousand dollars.

FEES.

Board, tuition, physician's fee, washing, per session of ten months,	\$350 00
Day Students; Collegiate and Commercial Departments	100 00
" Academic Department,	75 00
" Dinner at College,	60 00
Vacation at College,	50 00
Use of laboratory and apparatus,	10 00
Use of typewriter,	5 00
Use of library,	2 00
Music: piano, \$80; mandolin, \$50; violin, \$50.	
Graduation fee,	10 00
Certificate fee,	5 00

For the support of athletics, the student body levies a tax of five dollars on every member of the respective classes.

Payment of the half session of five months is required in advance.

Remittances from outside New York City are to be made by draft or by post-office order, payable at Station J.

No money will be advanced to students unless a sufficient sum be deposited with the treasurer.

The pocket money of the students may be deposited with the treasurer.

Money will be refunded only in case of dismissal or of protracted illness.

ENTRANCE REQUIREMENTS.

These requirements conform to the standards accepted by the Regents of the University of the State of New York.

I. ENGLISH.—Candidates for admission to the Freshman class must pass a written examination in English; and no candidate will be accepted whose spelling, diction or paragraphing is notably defective.

READING.—A certain number of books is set for reading. The candidate will be required to present evidence of a general knowledge of the subject-matter, and to answer simple questions on the lives of the authors. The form of examination will usually be the writing of a paragraph or two on each of several topics, to be chosen by the candidate from a considerable number set before him in the examination paper. These topics which are assigned to test the candidate's power of clear and accurate expression, will call for only a general knowledge of the substance of the books. In place of a part or the whole of this test the candidate may present an exercise book, properly certified by his instructor, containing compositions or other written work done in connection with the reading of the book. As a preparation for this part of the requirements, it is important that the candidate be well versed in the fundamental principles of rhetoric.

The books selected for reading, are:

1904-5: Scott's *Ivanhoe*; the "Sir Roger de Coverley Papers" in *The Spectator*; Goldsmith's *The Vicar of Wakefield*; Tennyson's *The Princess*; Coleridge's *The Ancient Mariner*; George Eliot's *Silas Marner*; Shakespeare's *The Merchant of Venice*; Shakespeare's *Julius Cæsar*; Carlyle's *Essay on Burns*; Lowell's *The Vision of Sir Launfal*.

1906-8: Shakespeare's *The Merchant of Venice* and *Macbeth*; the "Sir Roger de Coverley Papers" in *The Spectator*; Irving's *Life of Goldsmith*; Coleridge's *The Ancient Mariner*; Scott's *Ivanhoe* and *The Lady of the Lake*; Tennyson's *Garth and Lynette*, *Lancelot and Elaine*, and *The Passing of Arthur*; Lowell's *The Vision of Sir Launfal*; George Eliot's *Silas Marner*.

STUDY AND PRACTICE.—This part of the examination presupposes the thorough study of each of the works named below. The examination will be upon subject-matter, form and structure. In addition, the candidate may be required to answer questions involving the essentials of English grammar, and on leading facts in those periods of English literary history to which the prescribed books belong.

The books set for this part of the examination will be:

1904-5: Shakespeare's *Macbeth*; Burke's *Speech on Conciliation with America*; Macaulay's *Essays on Milton and Addison*; Milton's *Lycidas*, *Comus*, *L'Allegro* and *Il Penseroso*.

1906-8: Shakespeare's *Julius Cæsar*; Milton's *Lycidas*, *Comus*, *L'Allegro* and *Il Penseroso*; Burke's *Speech on Conciliation with America*; Macaulay's *Essay on Addison and Life of Johnson*.

2. **HISTORY.**—The following courses of history may be presented: History of the United States and Civil Government, and (a) History of England, or (b) History of France, or (c) History of Greece and Rome.

The following works will serve to show the knowledge expected in History: Montgomery's *History of the United States*; Anderson's *History of England*; Montgomery's *History of France*; Myers' *History of the Roman People*; Myers' *History of Greece*.

3. **ALGEBRA.**—Wentworth's *School Algebra*, or equivalent.

4. **GEOMETRY.**—Wentworth's *Plane and Solid Geometry*, or equivalent.

5. **PLANE TRIGONOMETRY.**—Wells' *New Plane Trigonometry*, or equivalent.

6. FRENCH.—Grammar, sight translation. Composition based upon the following books:

De Maistre, *Voyage autour de ma Chambre*; Mairret, *La Tâche du petit Pierre*; Halévy, *L'Abbé Constantin*; Daudet, *Le Siège de Berlin*, and Mérimée, *Colomba*.

7. GERMAN.—Grammar, sight translation. Composition based upon the following books:

Hillern, *Höher als die Kirche*; Hauff, *Das Kalte Herz*; Freytag, *Die Journalisten*; Storm, *Immensee*.

8. CHEMISTRY.—A course of at least sixty experiments made by the candidate, with note-book certified by teacher.

The following will be accepted in place of French and German:

LATIN.—Grammar, Allen & Greenough's or equivalent, including prosody. Cæsar, *Gallic War*, Books I–IV. Cicero, six orations. Reading at sight of a short passage of easy Latin prose. Vergil, *Æneid*, Books I–VI. Latin prose composition.

GREEK.—Grammar, Goodwin's or equivalent, including prosody. Xenophon, *Anabasis*, Books I–III. Homer, *Iliad*, Books I–III. Greek prose composition, Jones', twenty exercises or equivalent.

Students presenting Latin and Greek for admission will be required to take a special course in French and German during the Freshman year, and will thereafter follow the regular programme.

A certificate of the Regents of the University of the State of New York will be received in lieu of the entrance examination, provided it has been issued within the year, or that the candidate has a certificate of continued study since its date of issue. The candidate will, however, be examined on such branches as are not included in the Regents' certificate.

Students from affiliated institutions, on presentation of certificates testifying to satisfactory completion of the courses of studies in those institutions, will be admitted without further examination.

Two Examinations. Candidates desiring it may divide their examinations into two parts, one to be presented in June and the other in September of the *same* year.

Advanced Standing. Candidates for advanced standing must pass the entrance examination and also satisfy the Board of Examiners of their knowledge of the subjects studied by the class up to the period of their application.

Conditions Students failing in not more than two of the entrance subject may be permitted to join the classes conditionally, but must satisfy the requirements within a prescribed time.

EXTRACT FROM THE COLLEGE BY-LAWS.

Every candidate for admission must present a certificate of Certificate.
good moral character.

At the beginning of the first year, each student elects the course Election.
which he desires to follow, and no student may afterward change
his course without the permission of the Faculty.

Punctuality at all the exercises is strictly required. Students Attendance.
absent from the opening of either the morning or the afternoon
session will not be admitted to class without a note from the
Inspector. No student who has exceeded the limit of absences
for a given subject will be entitled to take examination in that
subject.

Examinations are held semi-annually in January and June, in Examination.
all the subjects studied during the intervening period. Special
examinations in any subject may be held at the option of the
Professor. Drawing and laboratory work count for half a recita-
tion each.

Absence from an examination, unless excused by the Faculty,
will be considered a failure.

Should a student fail in any one of the regular examinations,
he may be permitted to take another examination at the opening
of the following term, or at such time as may be fixed by his
Professor.

Seventy per cent. in each subject constitutes a pass in both
departments of the College.

The final standing of each student is determined by his exam- Final
nation results together with the average of his year's class- Standing.
marks in each subject.

Every candidate for a degree is required to present a written Thesis.
thesis on a subject connected with his course. The subject
selected must be submitted for approval to the Professor of the
department to which it belongs, on or before February 1. Such

help and guidance may be offered the candidate as the Professor shall judge right, and the completed thesis shall be handed in for approval on or before May 30.

Theses shall contain not less than two thousand words, unless the reasons adduced are satisfactory. Theses must be typewritten on paper 13x8 with an inner margin of an inch and a half. Science theses must be accompanied by the necessary drawings and illustrations. All approved theses become the property of the College and are placed in charge of the librarian.

If a student fail to present his thesis, or if the thesis be rejected, he shall not be recommended for his degree.

Degrees. No degree or other testimonial will be conferred on any student who has not satisfactorily completed the prescribed courses.

Certificate. At the discretion of the Faculty, a certificate of proficiency may be given to a student who has followed, under the direction of the Faculty, a special course of one or more subjects, and who gives evidence of satisfactory proficiency.

N. B.—No course outlined in this catalogue will be given unless there is a sufficient number of applicants.

ARTS DEPARTMENT.

ARTS DEPARTMENT.

The studies of this department for the Freshman and Sophomore years are prescribed; but in the Senior and Junior years elective courses are open to the student. It is likewise in the junior year that aspirants to the teaching profession begin to specialize for their future work.

The lessons in literature, political science and philosophy are supplemented by the discussion of pertinent articles in the leading periodicals of America and Europe.

The entrance requirements will be found on page 11.

Students who successfully complete the prescribed courses of this department receive the degree of Bachelor of Arts.

For the degree of Master of Arts, see page 30.

ARTS DEPARTMENT.

FRESHMAN CLASS.*

FIRST TERM.			SECOND TERM.		
FRENCH,	(4)	68	FRENCH,	(4)	6
GERMAN,	(4)	75	GERMAN,	(4)	7
ENGLISH,	(4)	53, 65	ENGLISH,	(6)	54, 6
HISTORY,	(2)	82	HISTORY,	(3)	8
MATHEMATICS,	(5)	97, 99	MATHEMATICS,	(2)	9
PHYSICS,	(2)	127	PHYSICS,	(2)	12
PHYSICAL LABORATORY,	(2)		PHYSICAL LABORATORY,	(2)	
CHEMISTRY,	(2)	9	CHEMISTRY,	(2)	
CHEMICAL LABORATORY,†	(3)	10	CHEMICAL LABORATORY,†	(3)	1
ELOCUTION,	(1)	107	ELOCUTION,	(1)	10
CHRISTIAN DOCTRINE,	(2)	129	CHRISTIAN DOCTRINE,	(2)	12

SOPHOMORE CLASS.

FIRST TERM.			SECOND TERM.		
FRENCH,	(4)	69	FRENCH,	(4)	6
GERMAN,	(4)	76	GERMAN,	(4)	7
ENGLISH,	(6)	56, 58	ENGLISH,	(6)	63, 6
HISTORY,	(3)	84	HISTORY,	(3)	8
MATHEMATICS,	(3)	100	MATHEMATICS,	(3)	10
MECHANICS,	(3)	103	MECHANICS,	(3)	10
GEOLOGY,	(2)	73	GEOLOGY,	(2)	7
ELOCUTION,	(1)	108	ELOCUTION,	(1)	10
CHRISTIAN DOCTRINE,	(2)	130	CHRISTIAN DOCTRINE,	(2)	12

* The figures in parentheses indicate the number of hours per week the other figures indicate the paragraphs in which the course is outlined.

† After class hours.

JUNIOR CLASS.

FIRST TERM.			SECOND TERM.		
FRENCH,	(4)	70	FRENCH,	(4)	70
GERMAN,	(4)	77, 78	GERMAN,	(4)	77, 78
ENGLISH,	(5)	55, 57	ENGLISH,	(5)	55, 60
PHILOSOPHY,	(4)	115, 117	PHILOSOPHY,	(4)	116, 118
PHYSICS,	(3)	129	PHYSICS,	(3)	129
PHYSICAL LABORATORY,*	(2)		PHYSICAL LABORATORY,*	(2)	
ORATORY,	(1)	108	ORATORY,	(1)	109
CHRISTIAN DOCTRINE,	(2)	131	CHRISTIAN DOCTRINE,	(2)	131
ASTRONOMY,	(2)	1	ASTRONOMY,	(2)	1
PEDAGOGY,	(3)	111, 113	PEDAGOGY,	(3)	111, 113

ELECTIVES.

FIRST TERM.			SECOND TERM.		
BIOLOGY,	(2)	3	BIOLOGY,	(2)	4
CHEMISTRY,	(2)	10, 11	CHEMISTRY,	(2)	10, 11
SPANISH,	(2)	133	SPANISH,	(2)	133
AMERICAN POLITICAL INSTITUTIONS, (1)		89	EUROPEAN CONSTITUTIONS, (1)		90
CHURCH HISTORY, (1)		94	CHURCH HISTORY, (1)		94

* After class hours.

SENIOR CLASS.

ENGLISH,	(4)	66	ENGLISH,	(4)	59
PHILOSOPHY OF			PHILOSOPHY OF		
HISTORY,	(3)	93	HISTORY,	(3)	93
ONTOLOGY AND COS-			EPISTEMOLOGY, }	(4) {	120, 121, 125
MIC PHILOSOPHY,	(4)	119	PSYCHOLOGY,		
HISTORY OF			HISTORY OF		
PHILOSOPHY,	(1)	126	PHILOSOPHY,	(1)	126
ECONOMICS,	(2)	47	ECONOMICS,	(2)	48
ORATORY,	(1)	110	ORATORY,	(1)	110
NATURAL			ETHICS,	(2)	124
THEOLOGY,	(2)	122, 123	FRENCH,	(3)	71
FRENCH,	(3)	71	GERMAN,	(3)	79, 80
GERMAN,	(4)	79			

ELECTIVES.

{	BIOLOGY,	(3)	5, 6	{	BIOLOGY,	(3)	5, 6
	CHEMISTRY,	(3)	11, 12		CHEMISTRY,	(3)	11, 12
{	PRINCIPLES OF GOVERNMENT,	(3)	49	{	SOCIOLOGY,	(3)	52
	PUBLIC FINANCE,	(2)	50		REPRESENTATIVE GOVERNMENT,	(2)	51
{	AMERICAN HISTORY,	(2)	91	{	AMERICAN HISTORY,	(2)	91
	HISTORY OF OUR TIMES,	(1)	88		HISTORY OF OUR TIMES,	(1)	88
SPANISH, (3) 134				SPANISH, (3) 134, 135			
PEDAGOGY, (3) 112, 114				PEDAGOGY, (3) 112, 114			

PEDAGOGY.

The regular College work in logic and psychology satisfies the requirements of both State and City Superintendents of Public Instruction, under whose immediate direction examinations in the history of education and in method are held. Upon completing a satisfactory examination in these subjects, the candidate receives a license to teach for three years, after which period, if successful experience can be demonstrated, the provisional license may be exchanged for a life certificate to teach.

The main requisite is that the candidate be a graduate from a college or university recognized by the Regents of the University of the State of New York, wherein at least one year was spent in pedagogical study amounting to not less than 210 hours attendance upon lectures or recitations, as follows: logic or psychology, at least 90 hours; history and principles of education and methods of teaching, at least 120 hours. In estimating the length of such courses, applicants about to graduate will be regarded as having completed their courses.

The courses offered to the students in Pedagogy are:

Courses.

SENIOR YEAR.—Logic.

History of education.

Principles of teaching.

SENIOR YEAR.—Psychology.

Ethics.

Theory and practice of teaching.

Methods of teaching various subjects.

STATE REQUIREMENTS FOR THE STUDY OF LAW AND MEDICINE.

In the interest of students who may wish, after graduation, to take up the study of law or medicine, the following notes are added:

**Admission
to the Bar.**

An office clerkship is no longer required of young men applying for admission to the New York bar. Applicants must be at least eighteen years of age, in order to have their time of study counted toward the required period. If they are not graduates of a university or college in good standing, they must file with the clerk of the court of appeals a Regents' law-student certificate.

College graduates may complete the prescribed law course in two years, while others require three.

The period of eighteen months of office clerkship required for admission is satisfied by an equal time spent in a New York law school.

**Admission to
a School of
Medicine.**

Candidates for admission to a medical college must be at least eighteen years of age and present satisfactory evidence of moral character. If not graduates of a university or college in good standing, they must present a Regents' academic diploma or its equivalent.

SCIENCE DEPARTMENT.

COURSE IN CIVIL ENGINEERING.

The work of this department is planned to give the student a liberal education, and to enable him after graduating to derive immediate profit from the practical experience of his professional career.

The course in civil engineering comprises surveying, road and railroad engineering, bridge engineering, hydraulics and water works, study of motors—air, steam and electrical.

The work is both theoretical and practical. The lectures of the class-room are supplemented by field-work and visits to places of interest in the vicinity.

The reading and discussion of the principal scientific and technical periodicals form an essential feature of this department.

Students who successfully complete this course receive the degree of Bachelor of Science in Civil Engineering.

The entrance requirements are the same as for the Arts Department, page 11.

THE COURSE IN CIVIL ENGINEERING.

FRESHMAN CLASS.

FIRST TERM.			SECOND TERM.		
ALGEBRA,	(3)	97	ANALYTICAL		
PHYSICS,	(2)	127	GEOMETRY,	(3)	100
PHYSICAL			PHYSICS,	(2)	127
LABORATORY,	(2)		PHYSICAL		
SURVEYING,	(3)	16	LABORATORY,	(2)	
CHEMISTRY,	(2)	9	SURVEYING,	(3)	100
CHEMISTRY, LABO-			CHEMISTRY,	(2)	100
RATORY WORK,*	(3)	10	CHEMISTRY, LABO-		
ENGLISH,	(4)	53, 65	RATORY WORK,*	(3)	100
GERMAN,	(4)	75	ENGLISH,	(6)	54, 65
TRIGONOMETRY,	(2)	99	GERMAN,	(4)	75
DRAWING,*	(4)	37	DESCRIPTIVE		
BOTANY,	(2)	4	GEOMETRY,	(2)	40
ELOCUTION,	(1)	107	DRAWING,*	(4)	37
CHRISTIAN			ELOCUTION,	(1)	107
DOCTRINE,	(2)	129	CHRISTIAN		
			DOCTRINE,	(2)	129

SOPHOMORE CLASS.

FIRST TERM.			SECOND TERM.		
MECHANICS,	(3)	103	MECHANICS,	(3)	103
CALCULUS,	(3)	102	CALCULUS,	(3)	102
SURVEYING,	(3)	17	SURVEYING,	(2)	17
DRAWING,*	(6)	39	GRAPHIC STATICS,	(2)	40
GEOLOGY,	(2)	73	DESIGN PROBLEMS,*	(6)	
ENGLISH,	(4)	56, 58	GEOLOGY,	(2)	73
GERMAN,	(4)	76	BUILDING MATERIALS		
ELOCUTION,	(1)	108	AND APPLICATION,*	(2)	
METALLURGY,	(3)	13, 14	ENGLISH,	(4)	63, 65
CHRISTIAN			GERMAN,	(4)	76
DOCTRINE,	(2)	130	ELOCUTION,	(1)	108
			CHRISTIAN		
			DOCTRINE,	(2)	130

* Three hours per week in the chemical laboratory and the drafting room are required after class hours.

JUNIOR CLASS.

FIRST TERM.			SECOND TERM.		
MECHANICS OF MA- TERIALS,	(4)	104	THERMODYNAMICS,	(2)	116
MASONRY STRUC- TURES AND FOUN- DATIONS,	(3)	20, 23	PHYSICS,	(3)	128
CEMENT LABORATORY,*	(3)	23	PHYSICAL LABORATORY,	(2)	
PHYSICS,	(3)	128	ASTRONOMY	(2)	1
PHYSICAL LABORATORY,	(2)		ENGLISH,	(1)	54
ROAD AND RAILROAD ENGINEERING,	(3)	18, 22	ORATORY,	(1)	100
DESIGN PROBLEMS,*	(8)		TRUSSES,	(4)	27
SURVEYING,	(2)	19	ROAD AND RAILROAD ENGINEERING,	(3)	18, 29
ENGLISH,	(1)	54	DESIGN PROBLEMS,*	(8)	
ASTRONOMY,	(2)	1	TUNNELING,	(2)	24
ORATORY,	(1)	100	EXCAVATIONS,	(2)	25
PHILOSOPHY,	(4)	115	CHRISTIAN DOCTRINE,	(2)	131
CHRISTIAN DOCTRINE,	(2)	131			

SENIOR CLASS.

FIRST TERM.			SECOND TERM.		
BRIDGES AND BUILDING,	(6)	28	BRIDGES,	(6)	28
HYDRAULICS,	(3)	32	CONTRACTS AND SPECIFICATIONS,	(2)	31
IRRIGATION AND WATER SUPPLY,	(3)	30	RAILROAD ENGINEERING,	(3)	29
SEWERS,	(2)	26	DESIGN PROBLEMS,	(8)	
GEODESY,	(2)	2	ENGLISH,	(1)	55
DESIGN PROBLEMS,	(8)		ORATORY,	(1)	109, 110
ENGLISH,	(1)	55	THESIS,	(2)	
ORATORY,	(1)	109, 110	ETHICS,	(2)	124
NATURAL THEOLOGY,	(2)	122, 123			

* After class hours.

HIGHER DEGREES.

Bachelors in either department may obtain the Master's degree by pursuing an approved course of study and giving satisfactory evidence of scholarship. If such post-graduate study is not pursued in the College, the degree will not be conferred until two years after graduation.

Professional study, as such, does not entitle one to the Master's degree, but original research or special and scholarly study connected with a profession may, at the discretion of the Faculty, be accepted.

Essays, theses and dissertations intended for the Master's degree must be presented at least one month before the end of the academic year. The bibliography or list of works consulted must, in each case, be appended to the thesis.

If a candidate's thesis is approved, he will be informed as to the time when he will be required to meet the Board of Examiners for any further test of his qualifications which may be deemed necessary.

The degree of Civil Engineer may be conferred one year after graduation on the presentation of an approved thesis.

COURSES OF STUDY.

COURSES OF STUDY.

FOR THE MASTER'S DEGREE.

For Master of Arts.

Any one of the following courses:

- I. Moral Philosophy, with written thesis, making special application of its principles to mooted questions of the day.
- II. Plato and Aristotle, with the history of the influence of Greek philosophy on modern thought.
- III. A comparative study of the psychology of St. Thomas Aquinas and modern psychology.
- IV. A comparative study of Thomistic ethical principles and current theories.
- V. A critical study of Locke's influence on modern philosophy.
- VI. A critical study of the rise of Kantianism.
- VII. A critical study, with practical applications, of any *one* of the following psychologic principles as applied in teaching:
 - (a) Interest; (b) Apperception; (c) Attention; (d) Personal Equation; (e) Imitation; (f) Free Will; (g) Character; (h) Humor; (i) Imagination.
- VIII. A critical examination of current errors in psychology.
- IX. A critical examination of current errors in ethics.
- X. A thorough criticism of any one of the accepted texts in logic, psychology or ethics.
- XI. A critical examination of any one of the accepted texts in the history of education.
- XII. A critical study of the growth of the novel.
- XIII. English literature. Critical analysis of any classic author from the Catholic standpoint.

- XIV. French literature, with translations at sight from an classic author, and a critical French essay on his work or his age.
- XV. German literature, with translation at sight from an classic author, and a critical German essay on his work or his age.
- XVI. Church History. Selections of important periods for research, with essays embodying results of investigation.
- XVII. A discussion of current theories in political economy.
- XVIII. A critical examination of any one of the texts commonly accepted as standard in political economy.
- XIX. A detailed examination with applications of the relations of political economy to ethics.
- XX. A critical study of Leo XIII's encyclicals on political questions.
- XXI. Suggested ways and means of perfecting the federation of Catholic societies.
- XXII. Amplification of topics discussed by the Catholic Truth Society.

For Master of Science.

Any one of the following courses:

- I. Higher coördinate geometry of two dimensions; coördinate geometry of three dimensions.
- II. General theory of equations.
- III. Higher parts of the integral calculus; differential equations; calculus of variations; calculus of quaternions.
- IV. Rigid dynamics.
- V. Fourier's theorem and its applications.
- VI. The wave theory treated mathematically or experimentally, or both.
- VII. The electro-magnetic theory of light.
- VIII. Phenomena of interference, diffraction and polarization.
- IX. Spectrum analysis.
- X. The kinetic theory of gases.
- XI. Conservation and dissipation of energy.

- XII. Application of the doctrine of energy to the phenomena of chemical combination.
- XIII. Thermal measurement of energy.
- XIV. Properties and phenomena of the ether.
- XV. Discharge of electricity through gases.
- XVI. Recent views of electricity.
- XVII. Higher parts of static and dynamic electricity.
- XVIII. Phenomena of alternating currents.
- XIX. Astrophysics.
- XX. Special studies in civil engineering.
- XXI. Special studies in electrical engineering.
- XXII. Special studies in architecture.

These subjects are merely suggestive, and are intended to assist the candidate in the choice of a subject for his thesis. The treatment of the subject should be thorough and comprehensive, and should embody the result of original thought or of experimental investigation, as the case may require.

Published works of the candidate on the subject selected, articles in reviews or scientific periodicals, or contributions to the transactions of learned societies will receive due consideration from the Board of Examiners.

COURSES OF STUDY.

ASTRONOMY.

1. DESCRIPTIVE ASTRONOMY.—Phenomena depending on the axial and orbital motion of the earth. Kepler's laws. Phenomena depending on change of place. Dimensions and coördination of the solar system. Tides, eclipses, transits.

Young, *The Elements of Astronomy*.

2. PRACTICAL ASTRONOMY.—Construction, adjustment, and use of the telescope, transit, and sextant. Determination of place and time. Field work in triangulation and azimuth. Determinations by engineer's transit and the solar transit.

BIOLOGY.

3. STRUCTURAL BOTANY.—The principal features of plant structure and classification with reference to trees, their character and identification. Lectures on organization of higher plants, illustrated by specimens, and followed by laboratory work.

4. STUDY OF PHENOGAMS.—The characters of the natural orders. Lectures and laboratory work.

5. PLANT HISTOLOGY AND PHYSIOLOGY.—The vegetable cell, its structure, composition, modification, kinds; structure and development of flower, fruit, seed; protoplasm, vegetable growth, movements, reproduction.

6. STUDY OF CRYPTOGRAMS.—Study of the structure and development of the algæ, fungi, lichens, mosses, ferns and pteridophytes. Relationship of cryptogams and phanerogams.

7 HUMAN ANATOMY AND PHYSIOLOGY.—Lectures, illustrated with models and lantern slides.

8. THE NERVOUS SYSTEM AND ITS TERMINAL ORGANS.—Lectures and illustrations with models and lantern slides.

CHEMISTRY.

9. GENERAL INORGANIC CHEMISTRY.—Preparation, properties and uses of the more important elements and inorganic compounds.

Remsen, *Inorganic Chemistry*.

10. CHEMICAL LABORATORY.—Experiments covering a systematic study of the chemical and physical properties of the most important elements and their compounds. Qualitative analysis.

11. INORGANIC AND ORGANIC CHEMISTRY.—The study of the non-metallic and metallic substances; also, some of the principal compounds of the paraffin and aromatic series.

12. QUANTITATIVE ANALYSIS.—Short course open to students preparing for medicine

13. ASSAYING.—Study of ores and other metallic products, qualitative tests, blowpipe analysis.

14. ASSAYING —Quantitative assaying. Special and short methods of assaying ores and metals.

15. Course in photography and radiography.

CIVIL ENGINEERING.

16. LAND SURVEYING.—Theory and general principles. Adjustment and use of chain, tape, rod, vernier, level and compass. Simple leveling with ordinary level, hand-level and barometer. Making of profile. Pacing, chain and compass surveying. Balancing, plotting, supplying omissions and computing areas.

17. LAND SURVEYING.—Theory, adjustment and use of transit, Transit, stadia and topographical surveying. Leveling, contour lines, plotting, computing areas, use of plane table.

Raymond, *Plane Surveying*.

18. ROAD ENGINEERING.—Location and grading of country roads. Staking out of work. Draining and protection work. Maintenance. Foundations. City streets. Pavements: stone, wood, asphalt, brick. Tools and machinery employed in road construction. Specifications and contracts regarding roads.

Byrne, *Highway Construction*.

19. LAND SURVEYING.—City surveying, triangulation, earthwork computations, theory and use of sextant, hydrographic and mining surveying.

20. FOUNDATIONS.—Construction of timber foundation. Cofferdams of timber. Open and pneumatic caissons. Trestle foundations. Piles in foundations. Economical considerations in foundations. Estimates of cost. Bridge piers. Methods for deep foundations.

Patton, *Foundations*.

21. TIMBER STRUCTURES.—Culverts. Pile bents. Frame bents. Bracing compound timber structures. Trestles on curves. Floor details. Connection with embankment, derailing devices, fire engineering and erection of trestle, design and estimates for completed trestle.

Foster, *Treatise on Modern Trestle Bridges*.

22. RAILROAD SURVEYING.—Reconnaissance and preliminary surveys. Organization of work. Simple and compound curves. Turnouts. Cross-section work. Computation of earthwork.

Searle, *Field Engineering*.

23. MASONRY.—Theoretical study of retaining walls, principles and design of earth and masonry dams of different classes, bridge abutments, culverts. Theory of masonry arch, tunnels. Cement and mortar testing in laboratory.

Baker, *Masonry Construction*.

24. TUNNELING.—Tunnels and open cuts, materials for lining, pressure. Process of tunneling, locating of center lines, drainage and ventilation, estimates of quantities and cost, rapid transit.

Prelini, *Tunneling*.

25. EXCAVATIONS.—Earthwork, excavations by hand and machine, rock excavation, hauling on horizontal and inclined roads, hoisting cableways, trench cutting, embankment constructions, dredging and dredged materials.

Prelini, *Earth and Rock Excavation*.

26. SEWERS AND SEWAGE DISPOSAL.—Dimensions and materials used, location, precautions in construction, study of examples, estimate of cost, surface drainage in towns and cities, separate and combined systems, capacities of main and branches, grade, flow and discharge of sewers. Methods of sewage disposal, discharge into streams, gravity and chemical precipitation. Filtration.

27. THEORY OF TRUSSES.—Truss elements, loads and reactions for trusses of various designs, influence lines, and position of loads for maximum bending moment. Wheel-loads and conventional systems of analysis, stress strain diagrams, secondary stresses in trusses, applications to highway and railroad bridges.

Merriman and Johnson, *Modern Framed Structures*.

28. ROOFS, BRIDGES AND BUILDINGS.—Different classes of bridges, riveted truss or lattice bridges, pin-connected bridge, design of details for roofs and bridges, floor systems, lateral and transverse bracing. The plate girder in detail, swing bridge (different kinds), end-lifting apparatus, machinery for operating cantilever structures, single and double track trestles or viaducts in steel or timber, elevated railroads, stand-pipes. Complete designs, with estimate of cost for structure and erection.

Merriman and Johnson, *Modern Framed Structures*.

29. RAILROAD ENGINEERING.—General theory of railroad projects. Probable volume of traffic and its probable growth. Effect of alignment on resources and operating expenses. Methods of railroad management. Construction of railroads: track

laying and maintenance, frogs and switches, track accessories, records and reports.

Wellington, *Theory of Railroad Location*; Tratman, *Track and Track Work*.

30. IRRIGATION AND WATER SUPPLY.—Drainage areas, rainfall, evaporation, discharge and volume of flow in streams. Reservoir construction. Dams for storage. Regulators. Distributing system. Velocity of flow and dimensions of canals. Distributing and lateral canals.

31. CONTRACTS AND SPECIFICATIONS.—Johnson.

32. HYDRAULICS.—Flow of water through orifices and over weirs, gauging of weirs. Flow of water in canals. Formulæ for discharge of water from locks. Motion of water in pipes. System of pipes. Gauging water in rivers. Backflow. Resistance of water in a river, in a canal. Hydraulic motors. Ship railways. Laboratory work.

Merriman, *Hydraulics*.

33. INSPECTION VISITS.—Visits to engineering works and manufacturing establishments.

34. FIELD WORK.—Surveying. Compass and transit surveys. Adjustments of instruments. Farm survey. Angle reading, repetition. Azimuth traverse.

35. FIELD WORK.—Leveling. Contour sketching. Topographical surveying.

36. RAILROAD SURVEY.—Reconnaissance and preliminary survey. Location of line. Profile and cross-section. Computation of earth work. About two miles of road are run, and the students make all calculations required in the regular routine of office work.

DRAWING.

37. MECHANICAL DRAWING.—Use of instruments, geometrical problems, lettering, plans, elevations.

38. MECHANICAL DRAWING.—Elementary projections, intersections, shades and shadows. Tinting drawings, pen-and-ink sketching, tracing, blue prints.

39. MECHANICAL DRAWING.—Stone-cutting and its applications to culverts, sewers, etc. Perspective.

40. DESCRIPTIVE GEOMETRY.—Demonstrations and execution of eight plates.

Faunce, *Descriptive Geometry*.

41. DRAWING.—Plots of survey, topographical maps, contour maps, profiles.

42. GRAPHIC STATICS.—Resolution of concurrent and non-concurrent forces, determination of moments, of internal stresses, of centroids and moments of inertia. Application to roofs and trusses.

Hoskin, *Elements of Graphic Statics*.

43. SKETCHING.—Drawing in pencil from nature and from the object, pen-and-ink rendering of architectural drawings.

44. SKETCH DESIGN.—Problems to be rendered in sketch form in limited time; pen-and-ink rendering of subjects.

45. STRUCTURAL DRAWING.—Plans, elevations and sections from actual measurements of structures. The use of water colors.

46. BRIDGE DESIGN.—The design of railroad bridges. Sketches of details of bridges in the vicinity. Computations and working drawings are made from specifications for a railroad bridge of short span, and estimates of its weight are prepared.

ECONOMICS, SOCIAL AND POLITICAL SCIENCE.

47. ECONOMICS.—Principles of production, distribution, exchange, money, banking, international trade-relation of labor and capital, present organization of industry, currency legislation of the United States.

48. Economic history of England and America.

49. Principles of government, legislation, the judiciary, the executive, suffrage and finance.

Fiske, *Civil Government*.

50. Public expenditure. Sources of state income. Development, classification, incidents and effects of principal taxes. Reference: Adam's *Science of Finance*.

51. Political representation in Colonial period as compared with representation at present.

52. Psychology of social types. Historical aspects of social organization, both ancient and modern. Study of modern social problems.

ENGLISH.

53. ENGLISH COMPOSITION.—Exercises in constructing outlines of subjects. Short themes. Criticism of same in class.

Scott and Denney, *Paragraph Writing*.

54. RHETORIC, ADVANCED.—Exercises in historical narrative. Argumentative compositions and illustrations from authors.

55. ORATORICAL COMPOSITION.—Debates and theses requiring original research. Essays on historical and social subjects.

Baker, *Principles of Argumentation*.

56. NINETEENTH CENTURY LITERATURE.—A short study of the leading English authors, and a critical reading of selected classics in connection with Brother Azarias' *Books and Reading*.

57. ANGLO-SAXON LITERATURE.—Study of the poets and prose writers of the Anglo-Saxon period.

Brother Azarias, *Old English Thought*.

58. PRINCIPLES OF VERSIFICATION.—Study of English verse from the æsthetical and the structural point of view. Exercises in scansion.

Gummere, *Handbook of Poetics*.

59. CHAUCER.—Literary study of the language and versification of the *Canterbury Tales*.

60. HISTORY OF THE ENGLISH LANGUAGE AND LITERATURE.—Review of the development of the language and its literature.

Lounsbury, *History of the English Language*.

61. SHAKESPEARE.—Critical reading of *Hamlet* or *King Lear*, with special study of the rise of the English drama.

Saintsbury, *Elizabethan Literature*.

62. DRAMA.—Study of the theory of the drama and its development historically considered.

Dryden, *Laws of Dramatic Composition*; Woodbridge, *The Drama: Its Law and Its Technique*.

63. AMERICAN LITERATURE.—A study of the leading American authors and influencing agencies in literature.

64. THE ESSAYISTS.—General study of English essayists from Bacon to Macaulay. American essayists. Critical study of Emerson's essays and Spalding's essays.

65. CRITICAL STUDY of Tennyson's *In Memoriam*, Newman's *Dream of Gerontius*, Dryden's *Vergil*, and Pope's *Homer*.

66. PHILOSOPHY OF LITERATURE AND OF STYLE.—An examination into the fundamental principles of literature and style.

Brother Azarias, *Philosophy of Literature, Phases of Thought and Criticism*; Spencer, *Philosophy of Style*.

FRENCH.

67. GRAMMAR. Sight translation. Composition based upon the following books:

Sandeau, *Mlle. de la Seiglière*; and one play each of Corneille, Racine, Molière.

68. GRAMMAR and PROSE COMPOSITION. Selected readings, modern authors: Erkman-Chatrian, *Waterloo*; Lamartine, *Jeanne d'Arc*; About, *Le Roi des Montagnes*; Labiche et Martin, *La Poudre aux Yeux*.

Reference: Faguet, *Études sur la Littérature Française au XIXe Siècle*.

69. DICTATION. CONVERSATION. PROSE COMPOSITION.

Outline History of French Literature: Fortier, *Histoire de la Littérature Française*.

Modern Dramatists: Hugo, *Hernani*; De Musset, *Un Caprice*, *Coppée*, *Le Pater*.

Reference: Faguet, *Études littéraires sur le XVIIIe Siècle*. Lenient, *La Comédie en France au XVIIIe Siècle*.

70. CONVERSATION. PROSE COMPOSITION.

The Classic Drama: Corneille, *Le Cid* or *Les Horaces*; Molière, *Le Médecin malgré lui* or *Le Misanthrope*; Racine, *Les Plaideurs*, *Athalie*.

71. CONVERSATION. PROSE COMPOSITION.

Selected authors: Descartes, *Discours sur la Méthode*; Fénélon, *Télémaque*; La Bruyère, *Les Caractères*; Boileau, *L'Art poétique*; De Vigny, *Cinq Mars*.

Luquiens, *Places and Peoples* or *Popular Science*.

GEOLOGY.

72. Descriptive and Determinative Mineralogy; Physical, Historical and Stratigraphical Geology.

Lectures and laboratory work.

73. GEOLOGY.—Lectures and laboratory work. A more advanced discussion of the subjects treated above.

Dana, *Text-book of Geology*.

GERMAN.

74. GRAMMAR. Sight translation. Composition based upon the following books:

Schiller, *Wilhelm Tell*; *Das Lied von der Glocke*; Goethe, *Shorter Poems*.

75. GRAMMAR. Harris, Prose Composition. Selected readings. Modern authors: Riehl, *Burg Neideck*; Heyse, *Das Mädchen von Treppi*; Schiller, *Der Neffe als Onkel*; Lessing, *Nathan der Weise*: Selections from Heine's poems.

76. PROSE COMPOSITION.

Historical prose: Freytag, *Aus dem Staat Friedrichs des Grossen*; Sybel, *Die Erhebung Europas*; Jannsen, *Geschichte des Deutschen Volkes*. Selections from Schiller's historical prose.

77. PROSE COMPOSITION. CONVERSATION.

Outline history of German literature: Keller, *Bilder aus der deutschen Literatur*, with Klemm's *Geschichte der deutschen Literatur* as reference; also Max Müller's German classics.

78. SCHILLER AND HIS CONTEMPORARIES. *Maria Stuart, Die Jungfrau von Orleans, Wallenstein*; selections from his prose writings.

79. GOETHE, LIFE AND PRINCIPAL WORKS. *Hermann und Dorothea, Egmont, Tasso*; selections from *Dichtung und Wahrheit*, poems and epigrams.

80. DIPPOLD, SCIENTIFIC GERMAN READER; OR, GORE, GERMAN SCIENCE READER. Journalistic German. Current German Scientific periodicals.

Practice in speaking and writing German; advanced German Composition.

81. OLD GERMAN. Wenkebach, *Die Meisterwerke des Mittelalters*; Klenze, *Deutsche Gedichte*.

HISTORY.

82. ANCIENT HISTORY.—History of Greece, with special reference to its literature, politics, and commerce.

83. ANCIENT HISTORY.—Rome, from the Founding of the City to the Fall of the Western Roman Empire, with special reference to literature, politics, and commerce.

84. MEDIEVAL HISTORY.—From the Fall of the Western to the Fall of Eastern Roman Empire. The Holy Roman Empire and the Papacy receive special attention.

85. THE RENAISSANCE AND THE REFORMATION.—The principal subjects studied are the revival of letters, the age of discovery, the reformation in England, France, and Germany; the Thirty Years' War, and the Peace of Westphalia.

86. ENGLISH HISTORY.—In this Course special attention is given to the constitutional and social history of England.

87. FRENCH HISTORY.—From the establishment of the French monarchy to the French Revolution.

88. THE HISTORY OF THE NINETEENTH CENTURY, BEGINNING WITH THE YEAR 1815.—This Course treats principally of the restoration of the Bourbons, the Revolutions of 1830 and 1848, the Austro-Prussian war, the Franco-Prussian war, the Unification of Germany and of Italy.

89. AMERICAN POLITICAL INSTITUTIONS.—Nature of state and national systems; organization and powers of legislative, executive, and judicial departments of Federal Government.

90. EUROPEAN CONSTITUTIONS.—Political institutions of England and Switzerland as compared with those of the United States.

91. CONSTITUTIONAL HISTORY OF THE UNITED STATES.—Colonial Governments, the confederation, the federal constitution, national vs. state sovereignty.

92. CONSTITUTIONAL HISTORY OF THE UNITED STATES.—War of 1812, federal judiciary, nullification act, state constitutions, the civil war.

93. THE PHILOSOPHY OF HISTORY, based principally on the works of Balmes, Schlegel and Allies.

94. CHURCH HISTORY.—From the Founding of the Church to the Protestant Reformation.

ITALIAN.

95. ELEMENTARY COURSE.—Grammar. Conversation. Dictation.

Reading: Bowen's Reader; Cuore, *De Amicis*; Manzoni, *Promessi Sposi*; Testa, *L' Oro e l' Orpello*.

96. ADVANCED COURSE.—Dante's life and works. Critical study of the *Divina Commedia*.

References: Scartizzini, *Companion to Dante*; Brother Azarias, *Spiritual Idea in Dante's Divina Commedia*.

MATHEMATICS.

97. ALGEBRA.—

Wells, *New Higher Algebra*.

98. TRIGONOMETRY (Plane).—

Wells, *New Plane and Spherical Trigonometry*.

99. TRIGONOMETRY (Spherical).—

Wells, *New Plane and Spherical Trigonometry*.

100. ANALYTICAL GEOMETRY.—Including the general equation of the second degree.

Wentworth, *Analytical Geometry*.

101. ANALYTICAL GEOMETRY.—The straight line, the plane and surfaces of revolution.

Wentworth, *Analytical Geometry*.

102. CALCULUS.—Differential and Integral.

Taylor, *Differential and Integral Calculus*.

Murray, *Introductory Course in Differential Equations*.

MECHANICS.

103. MECHANICS.—Principles of statics and dynamics; elements of hydrostatics.

Loney, *Mechanics and Hydrostatics*.

104. MECHANICS OF MATERIALS.—Resistance and elasticity of materials, cantilever, simple and continuous beams, columns torsion and shafts, stresses, resilience, tension and compression flexure in beams, shear and torsion, true and apparent stresses design and construction of beams in wood and steel, design of girders.

Merriman, *Mechanics of Materials*.

105. MECHANICS OF SOLIDS AND LIQUIDS. Advanced.

(A knowledge of the calculus will be required for this course. Statics of concurrent and parallel forces, theory of couples friction, mass-moments. Theorems of Guldinus, determination of centroids. Rectilinear and parabolic motion. Work and energy. Impulsive forces. Direct and oblique impact. Circular motion. Angular velocity and acceleration. Simple harmonic motion. Motion in a vertical curve. The conical and the ordinary pendulum. Determination of moments of inertia. Theory of potential. Derived units and their dimensions. Pressure due to gravitating liquids, center of pressure, equilibrium of floating bodies, determination of metacenter. The barometer and its application to hypsometry. Compressed-air manometers exhausting and condensing air-pumps.

106. THERMODYNAMICS.—Heat, steam, fuel economy, engine construction, engine tests, boiler construction and tests.

Lectures supplemented by visits to plants and examinations of machines in actual operation.

Jamieson, *The Steam Engine*.

ORATORY.

107. ELOCUTION.—Beginners' course in the principles of declamation, with weekly exercises.

108. ELOCUTION.—Advanced courses in the principles of declamation, with weekly exercises.

109. FORENSICS.—Study and analysis of typical British and American argumentative orations.

110. DEBATES.—Theory of the preparation of debates. Oral discussion of questions of the day.

PEDAGOGY.

111. PRINCIPLES OF TEACHING.—Importance of knowledge of physical, mental and moral laws. Development of mental power. The teacher and his qualifications. School organization, hygiene and discipline. Aids to teaching. Art of questioning and answering. Class examinations.

112. THEORY AND PRACTICE OF TEACHING.—Foundations of method and general principles. Analysis and synthesis. Individual vs. simultaneous system. Class exercises and drill on subjects taught in elementary and secondary schools.

113. HISTORY OF EDUCATION.—*Pre-Christian Era*: Chinese, Hindoos, Egyptians, Persians, Israelites, Greeks and Romans. Notes of the educational leaders in each. *Education during the Middle Ages*: Monasticism, Scholasticism. The Crusades. Rise of Universities. Noted educators.

114. HISTORY OF EDUCATION.—Period of the Renaissance, its characteristics; humanistic educators. Special study of the following educators: Sturm, Loyola, Fénelon, De La Salle, Locke, Rousseau, Basedow, Pestalozzi, Froebel, Comenius, Jacotot, Spencer, Mann, Barnard, Parker, etc. History of the school system of the state of New York.

References: *History of Education*, Seeley.

Educational Theories, Oscar Browning.

Educational Essays, Brother Azarias.

Christian Schools and Scholars, Drane.

Education Prior to the French Revolution, Alain.

Education as a Science, Bain.

Education, Spencer.

Methodology and Vade Mecum, Brothers of the Christian Schools.

School Management, White.

Talks on Teaching, Parker.

Herbart and the Herbartians, De Garmo.

Normal Methods of Teaching, Brooks.

The Principles and Practice of Teaching and Class Management, Landon.

PHILOSOPHY.

115. FORMAL LOGIC.—The idea. Errors as to the nature of ideas in modern English and German philosophy. Definition. Division. The nature of judgment. The value of the syllogism.

116. CRITICAL LOGIC.—The possibility of certainty. Scepticism. Veracity of the senses and the intellect. Idealism vs. Realism. Universals. Authority and belief.

117. METHOD.—General principles. Special methods. Deduction and induction. Methods of observation. Methods of explanation.

118. METAPHYSICS.—The Aristotelian transcendentals. Reality of substances. Causation. Errors concerning causation. Final causes.

119. COSMIC PHILOSOPHY.—Nature, origin and duration of the universe. Ultimate constituents of bodies. Theory of matter and form. Laws of nature. Possibility of miracles. The concepts of natural science and scholastic philosophy.

120. PSYCHOLOGY.—Rational vs. experimental psychology. Value of each. Faculty, habit and action. The life principle. Vegetative life. Theory of sensation. Qualities of sensation. Intellection. Attention. Apperception. Association of ideas. Evolutionism. Heredity. Freedom of will. Spirituality and immortality of the soul. Psychology and the teacher.

21. **EPISTEMOLOGY.**—Critical examination of various theories of knowledge.

22. **NATURAL THEOLOGY.**—Proof of God's existence and providence—Deism, pantheism, agnosticism, atheism. Existence of evil. Preservation of creatures. Divine concurrence.

23. **GENERAL ETHICS.**—Nature of a human act. Ultimate end of human actions. Determinants of morality. Does the end justify the means? Hindrances to the perfection of a human being. The passions, habit, virtue, vice.

24. **SPECIAL ETHICS.**—Man's rights and duties as an individual. Man's duties to God. Adoration, love, obedience. Man's duties to his neighbor as regards soul and body. Man's duties to himself as to soul and body. Suicide and dueling.

Man's rights and duties as citizen. The state. Its constituent elements. Its origin, end, scope and limits.

Common law of nations. Peaceful relations among nations.

Ecclesiastical society. The Church. Its origin and constitution. Its end and limits. Its superiority to the state. Its relation to the modern world.

25. **EXPERIMENTAL PSYCHOLOGY.**—Elements and general methods. Elements of mental life; sensation, feeling, conation. Experiments on the outer senses and on the association of ideas.

26. **HISTORY OF PHILOSOPHY.**—Brief course, dwelling especially upon Greek philosophy, medieval philosophy, and modern philosophy.

PHYSICS.

27. **LIGHT.**—Velocity and intensity of light. Reflection and refraction. Spectrum analysis. Polarization. Study of optical instruments.

HEAT.—Temperature and its measurement. Production and transmission of heat. Relation between heat and work.

SOUND.—Its nature, velocity, reflection, refraction; resonance

and interference; pitch; transverse vibrations; vibrations of pipes, rods, plates, membranes.

Draper, *Light, Heat, and Sound*.

128. ELECTRICITY.—Fundamental phenomena. General laws of distribution, induction, condensers. Effects of discharge. Influence machines. Primary batteries. The electric current. Ohm's law and applications. Magnetic, thermal and chemical action of the current. The electro-magnet. Current induction. Induction by magnets. The induction coil. Continuous current dynamo and motor. The electric transmission of energy. Electric lighting. Thermo-electric currents. Telegraphy.

MAGNETISM.—Permanent magnets. The molecular theory. Magnetic induction. The magnetic field. The magnetic circuit. Comparative strength of fields and of magnets. Terrestrial magnetism. The compass needle. The dip circle. Magnetic character.

Thompson, *Lessons in Electricity and Magnetism*.

RELIGION.

(CHRISTIAN DOCTRINE.)

129. DOGMA.—Explanation of the principal dogmas, with special insistence on the continuity of the Church. The Church and science. Objections.

Text-book: *Manual of Christian Doctrine*.

130. MORAL.—Explanation of the fundamental principles of Christian morality as contained in the decalogue.

Text-book: *Manual of Christian Doctrine*.

131. WORSHIP.—Prayer and the sacraments, with special references to the Council of Trent and the tenets of Protestantism.

Text-book: *Manual of Christian Doctrine*.

132. APOLOGETICS.—Nature and necessity of Revelation. Its criteria. Modern objections.

SPANISH.

33. ELEMENTARY COURSE.—Grammar, reading, dictation, composition; De Tornos' Method; Ramsey's *Elementary Reader*; Arcon, *El Capitan Veneno*; Galdós, *Doña Perfecta*, *Marianela*; Vera, *El Pájaro Verde*; Fernandez de Moratin, *El Sí de las Ventas*.

34. INTERMEDIATE COURSE.—Grammar, reading, dictation, composition; Ford's *Spanish Composition*; Valdes, *José*; Cerantes, *Don Quijote*; Larra, *Partir á Tiempo*; Pereda, *Pedro Sánchez*; Valera, *Estudios Criticos*.

35. ADVANCED COURSE.—Composition, reading of classic dramas: Calderon, *El Principe Constante*; *La Vida es Sueño*; de Vega, *La Estrella de Sevilla*. Study of Spanish Literature.

Reference: Fitz-James Kelly, *History of Spanish Literature*.

ACADEMIC DEPARTMENT.

ACADEMIC DEPARTMENT.

The aim of this department is to prepare for entrance to the College. The studies conform to the academic syllabus of the Regents of the University of the State of New York.

The requirements for admission are the preliminary studies Admission. prescribed by the Regents. The most favorable time for entrance is at the beginning of the scholastic year. The regular examinations for admission take place on the second Monday in September. Students will, however, be received at any time during the year, but not for a period shorter than five months.

The classes are frequently examined, and students are not Examinations. allowed to pass from one subject to another until they have given evidence of adequate knowledge of the subject. A student who shows by the results of the examinations that he is unable to follow with his class will be placed in a lower grade.

The Inspector examines weekly the record of every pupil and comments upon it before the Professors and students of the class.

Summarized reports of the examinations are forwarded to the parents at the end of each term.

Since each report shows the exact standing of the student, it Reports. should be carefully examined by his parent or guardian.

Percentages are estimated as follows: From 90 to 100, excellent; from 80 to 90, very good; from 70 to 80, satisfactory; under 70, unsatisfactory.

Promotions are based on the joint results of the several exam- Promotions. inations and the daily marks. No student will be allowed to pass from one class to another unless he has given satisfactory proof of his ability to follow the higher class. Promotions are generally made at the end of the scholastic year, but a student may be promoted at other times, provided his work shows fitness therefor.

Students who fail in the final examination may present them- Failure in selves for further examination at the opening of the next term. Examinations.

Home Study. At least three hours a day should be given to the preparation of class work.

The active co-operation of parents with the Faculty is essential to the progress of the student. Parents are therefore requested to insist upon regular attendance and careful preparation of class work.

Discipline. Students are expected to act at all times as gentlemen. No one will be retained who is insubordinate or whose society may prove undesirable.

Attendance. Punctuality at all sessions and recitations is required.

A written excuse from parents or guardian will be required in all cases of absence. This excuse will not be accepted in lieu of omitted class work.

Wednesday and Saturday afternoons are the regular weekly half-holidays.

Students who live in the College may not leave the ground without authorization.

Visiting hours for resident students are from one to five o'clock Sunday afternoon.

COURSE OF STUDIES.

FIRST YEAR.

FIRST TERM.

- ENGLISH. *Grammar* (3)—
Composition (1)—
Literature (1)— } As required by Regents' first
year English.
- HISTORY. *Ancient History* (5)—From the earliest civilization in Egypt to the establishment of a western empire by Charlemagne. Wolfson, *Essentials in Ancient History*.
- MATHEMATICS. *Algebra* (3)—The first IX chapters of Wentworth's *School Algebra*.
Arithmetic (3)—Review of Regents' requirements in Arithmetic pre-academic course with special reference to the metric system.
- FRENCH. *Grammar* (4)—Elementary grammar, translation, conversation as required for Regents' first year French.
- DRAWING. *Linear Drawing* (2)—*Christian Brothers' Elementary Course*, Book I, with practice in lettering.
- ELOCUTION. (1)
- RELIGION. (2)

SECOND TERM.

- ENGLISH. *Grammar* (1)—
Composition (1)—
Literature (3)— } As required by Regents' first
year English.

HISTORY. *Ancient History* (5)—From the earliest civilization in Egypt to the establishment of a western empire by Charlemagne.

Wolfson, *Essentials in Ancient History*.

MATHEMATICS. *Algebra* (3)—The first XII chapters of Wentworth's *School Algebra*.

Arithmetic (3)—Review of Regents' requirements in Arithmetic pre-academic course, with special reference to the metric system.

FRENCH. *Grammar* (4)—Elementary grammar, translation, reading at sight, conversation, as required for Regents' first year French.

DRAWING. *Linear Drawing* (2)—Book I, *Christian Brothers' Elementary Course*, with special emphasis on lettering.

ELOCUTION. (1)

CHRISTIAN DOCTRINE. (2)

SECOND YEAR.

FIRST TERM.

ENGLISH. *Rhetoric* (1)—
Composition (1)—
Literature (3)— } As required by Regents' second
year English.

HISTORY. *Medieval and Modern European History* (5)—From the death of Charlemagne to the present time.

MATHEMATICS.

Geometry (3)—Books I and II, including exercises, of Wentworth's *Plane Geometry*.

FRENCH. *Grammar* (4)—Elementary grammar, as required by Regents' second year French.

GERMAN. *Grammar* (4)—Elementary grammar, translation, conversation, as required for Regents' first year German.

DRAWING. *Linear Drawing* (2)—Book II, *Christian Brothers' Elementary Course*, with special emphasis on lettering.

ELOCUTION. (1)

CHRISTIAN DOCTRINE. (2)

SECOND TERM.

ENGLISH. *Rhetoric* (1)—
Composition (1)—
Literature (3)— } As required by Regents' second
year English.

HISTORY. *Medieval and Modern European History* (5)—From the death of Charlemagne to the present time.

MATHEMATICS.

Geometry (3)—Books III, IV and V, including exercises of Wentworth's *Plane Geometry*.

FRENCH. *Grammar* (4)—Elementary grammar, as required by Regents' second year French.

GERMAN. *Grammar* (4)—(a) Elementary grammar, as required by Regents' first year German.

DRAWING. *Linear Drawing* (2)—Book II, *Christian Brothers' Elementary Course*, with special attention to lettering.

ELOCUTION. (1)

CHRISTIAN DOCTRINE, (2)

THIRD YEAR.

FIRST TERM.

ENGLISH. *Composition* (Description) (1)—
Literature (4)— } As required by Regents' third year
English.

HISTORY. *English History* (4)

- MATHEMATICS. *Algebra* (3)—Quadratic equations, Wentworth's *School Algebra*.
Geometry (3)—Book VI, including exercises of Wentworth's *Plane Geometry*.
- FRENCH. *Grammar* (4)—As required by Regents' third year French.
- GERMAN. *Grammar* (4)—As required by Regents' second year German.
- DRAWING. *Projections* (2)—Book I, *Christian Brothers' Course*.
- ELOCUTION. (1)
- CHRISTIAN DOCTRINE. (2)
- *PHYSICS. (3) Avery, *Elements of Natural Philosophy*.

SECOND TERM.

- ENGLISH. *Composition* (1)—Narration. } As required by Regents' third year English.
Literature (4)— }
- HISTORY. *English History* (4)
- MATHEMATICS. *Algebra* (3)—Wentworth's *School Algebra* completed.
Geometry (3)—Books VI and VII, including exercises of Wentworth's *Plane and Solid Geometry*.
- FRENCH. *Grammar* (4)—As required for Regents' third year French.
- GERMAN. *Grammar* (4)—As required for Regents' third year French.
- DRAWING. *Projections* (2)—Book I, *Christian Brothers' Course*.
- ELOCUTION. (1)
- CHRISTIAN DOCTRINE. (2)
- *PHYSICS. (3)—Avery, *Elements of Natural Philosophy*.

* On Tuesday and Friday from 3.30 to 5 P. M.

FOURTH ACADEMIC CLASS.

FIRST TERM.

- ENGLISH. *English Reading* (4)—Regents' requirements for College Entrance.
- HISTORY. *American History and Civil Government* (4).
- MATHEMATICS. *Geometry* (3)—Book VIII, including exercises of Wentworth's *Plane and Solid Geometry*.
Advanced Arithmetic (2)—Regents' requirements.
- FRENCH. *College Entrance* (4)—Review of grammar, and careful preparation of the matter required by College Entrance Examination Board.
- GERMAN. *Grammar* (4)—As required for Regents' third year German.
- DRAWING. *Projections* (2)—Book II, *Christian Brothers' Course*.
- ELOCUTION. (1)
- CHRISTIAN DOCTRINE. (2)
- CHEMISTRY. *College Entrance Requirements* (2)—Recitations and lecture-table demonstrations.
**Laboratory Work* (3)—As required for College Entrance.

SECOND TERM.

- ENGLISH. *English Reading* (4)—Regents' requirements for College Entrance.
- HISTORY. *American History and Civil Government* (4).
- MATHEMATICS. *Trigonometry* (3)—Wells' *Plane Trigonometry*.
- FRENCH. *College Entrance* (4)—Review of grammar and careful preparation of the matter required by College Entrance Examination Board.

* On Tuesday and Friday from 3.30 to 5 P. M.

GERMAN. *Grammar* (4)—As required for Regents' third year German.

DRAWING. *Projections* (2)—Book II, *Christian Brothers' Course*.

ELOCUTION. (1)

CHRISTIAN DOCTRINE. (2)

CHEMISTRY. *College Entrance Requirements* (2)—Recitations and lecture-table demonstrations.

**Laboratory Work* (3)—As required for College Entrance.

PHYSICAL GEOGRAPHY.—*Regents' requirements* (2).

* On Tuesday and Friday from 3.30 to 5 P. M.

COMMERCIAL DEPARTMENT.

COMMERCIAL DEPARTMENT.

Students who desire to prepare for mercantile life will find every facility in the Commercial Department. This department does not limit itself to purely business branches. Subjects of general culture are also included.

English composition and letter-writing receive special attention, and the student is required to treat prescribed subjects in a manner that will enable him to write with ease and elegance reports on a given topic, circulars and other kindred work. Questions relating to political economy and commercial law are discussed in the class-room in order to give the student ideas on the vital questions of daily life. Weekly lessons are given in the art of public speaking, in order that the student may acquire graceful and easy delivery.

The mathematics taught include a complete course of commercial arithmetic and an elementary course of geometry and algebra.

The students receive a thorough course in standard business methods and in banking transactions.

Phonography and typewriting are essential to the course, and opportunity is offered for practice in these branches of office work.

The rules governing the Commercial Department are similar to those of the Academic Department.

Students who complete the commercial course receive a certificate as a guarantee of their fitness for mercantile employment.

PRIZES AND MEDALS.

The Brother Charles Memorial Medal, founded by the Commercial Alumni Society, is awarded to the student who has the highest record for general proficiency.

The Kean Medal for religious instruction, donated by the Rev. John J. Kean, '66, is open to all students of the Commercial Department.

COURSE OF STUDIES.

FIRST YEAR.

ENGLISH (6)—Grammar, chiefly syntax.

Composition: simple stories and essays drawn from the pupils' environment and from the literature of the course.

Literature, for reading: *Ivanhoe*.

HISTORY (4)—United States History.

ARITHMETIC (6)

SPELLING (5)

BOOK-KEEPING (2)

PENMANSHIP (3)

CHRISTIAN DOCTRINE (2)—Council of Baltimore.

SECOND YEAR.

BUSINESS ENGLISH (6)—Practical exercises in English composition, letter-writing, business documents, contracts, reports, etc.

BUSINESS WRITING (3)—Exercises in legibility, accuracy, speed and neatness.

SPELLING (5)

BUSINESS ARITHMETIC (6)—Exercises in coördination with book-keeping, to secure accuracy and skill in business computation.

BOOK-KEEPING (6)—Computations, business transactions, business forms and correspondence.

RELIGION (2)—Council of Baltimore.

THIRD YEAR.

BUSINESS ENGLISH (5)—Exercises in English composition, letter-writing, drawing up of business documents, contracts, reports.

BOOK-KEEPING (4)—Exercises to enable the student to open and keep accurately ordinary business accounts.

TYPEWRITING (3)—Elementary exercises—Touch system. Dictation.

BUSINESS PRACTICE (2)—Manner and method of conducting business, office methods.

TELEGRAPHY (4)—Graham's method of shorthand begun. Simple reporting styles.

ALGEBRA (3)—Simple equations of two unknowns.

PLANE GEOMETRY (4)—Books I, II and III of Wentworth's *Plane Geometry*.

LOCUTION (1)—Individual and concert work.

CHRISTIAN DOCTRINE (2)—Dogma, see Courses of Study No. 129.

FOURTH YEAR.

FIRST TERM.

BUSINESS ENGLISH (3)—Continuation of preceding year's work.

TELEGRAPHY (4)—Advanced reporting style—speed writing, dictation of matter at rate of a hundred words per minute.

ADVANCED BOOK-KEEPING (4)—Partnership business, shipments, consignments, special column journal.

COMMERCIAL LAW (2)—Contracts, negotiable paper, partnerships, agents, insurance.

- COMMERCIAL GEOGRAPHY (3)—Tilden's text on the subject.
- TYPEWRITING (4)—Writing of matter at rate of forty words per minute, office work.
- ALGEBRA (2)—Quadratic equations.
- PLANE GEOMETRY (3)—Books IV and V, Wentworth's *Plane Geometry*, review of previous year's work.
- ELOCUTION (1)—Individual and concert work.
- CHRISTIAN DOCTRINE (2)—Desharbes' Catechism.

SECOND TERM.

- BUSINESS ENGLISH (3)—Continuation of first term's work.
- STENOGRAPHY (6)—Advanced reporting style, dictation of matter at rate of a hundred and fifty words per minute.
- ADVANCED BOOK-KEEPING (6)—Continuation of preceding term's work.
- CIVICS (3)—Local, state and federal government; international relations, leading forms of government, law and American citizenship.
- HISTORY OF COMMERCE (3)—Origin and early development of commerce, its influence on civilization.
- TYPEWRITING (4)—Writing of matter dictated at rate of forty words per minute, office work.
- ELOCUTION (1)—Individual and concert work.
- CHRISTIAN DOCTRINE (2)—Desharbes' Catechism.

FIFTY-FIRST ANNUAL COMMENCEMENT OF
Manhattan College

Right Reverend Monsignor Lavelle, Presiding



CARNEGIE HALL

Tuesday, June Twenty-first, 1904, at eight p. m.

ORDER OF EXERCISES.

OVERTURE—"Raymond," THOMAS
ORCHESTRA.

THE MISSION OF AMERICA, CHARLES B. McLAUGHLIN.

VOCAL SOLO—"The Clang of the Forge," RODNEY*
FRANK T. MOLONY.

INFLUENCE OF IDEALS, LEONARD J. DAYTON.
SELECTION—"Babes in Toyland," HERBERT.
ORCHESTRA.

TRADES UNIONS, THOMAS D. MCCARTHY.
VOCAL QUARTET—"Ave Maria," MASCAGNI.
MANHATTAN ALUMNI QUARTET.

HIGHER EDUCATION, CHARLES J. MIVILLE.
COLLEGE SONG—"Dear Old Manhattan," Music by DeKOVEN.

E. J. McNamara, J. N. Conolly, J. F. David, C. J. Miville,
W. T. Byrnes, F. R. O'Brien, R. A. Beesch, D. J. Sullivan,
J. E. Murphy, T. A. Delaney, J. J. Pierce, F. T. Molony,
P. G. Abbott, D. W. Coughlin, E. F. Wendelken, M. J. Lally.

THE CHURCH AND SCIENCE, ARTHUR T. O'LEARY.
INTERMEZZO—"The Gondolier," POWELL.
ORCHESTRA.

CONFERRING OF DEGREES.

GRANTING OF COMMERCIAL DIPLOMAS AND AWARDING OF PRIZES.

ADDRESS TO GRADUATES,

RIGHT REVEREND MONSIGNOR MICHAEL J. LAVELLE

MARCH—"College Men,"

HOLZMAN.

ORCHESTRA.

THE DEGREE OF BACHELOR OF ARTS.

CHARLES BORROMEO McLAUGHLIN,

LEONARD JOSEPH DAYTON,

EDWARD JOSEPH McNAMARA,

DANIEL CHRISTOPHER HAGGERTY,

RICHARD BUTLER MURRAY,

CHARLES JOSEPH MIVILLE,

MATTHEW FRANCIS McPHILLIPS

THOMAS DOMINIC MCCARTHY,

JAMES EDWARD TIMON,

JAMES EDWARD LADEN,

JOHN NETTERVILLE CONOLLY,

WILLIAM JOSEPH DUNN GRACE,

JOHN JOSEPH MAHON,

EMIL FRANCIS STRENSKI.

THE DEGREE OF BACHELOR OF SCIENCE.

PATRICIO ANDRES SUAREZ,

ARTHUR TIMOTHY O'LEARY,

HENRY JOSEPH CLARKIN,

J. RAYMOND PENNEFATHER,

JOSEPH FRANCIS DAVID,

MARTIN JOHN CREAN.

THE DEGREE OF MASTER OF ARTS.

JAMES J. KANE, B.A., '01,

PATRICK R. KINNEY, B.A., '02,

SYLVESTER J. MCNAMARA, B.A., '02,

ROBERT W. WILKES, B.A., '02,

JAMES E. MURPHY, B.A., '03.

THE DEGREE OF CIVIL ENGINEER.

MAURICE J. ALLEN, B.S., '03,

JOHN E. LONERGAN, B.S., '03.

CONFERRING OF HONORARY DEGREES.

THE DEGREE OF DOCTOR OF SCIENCE.

JOSEPH P. BURKE, M.Sc., M.D., '93.

THE DEGREE OF DOCTOR OF LAWS.

RIGHT REVEREND MONSIGNOR DENIS J. O'CONNELL,

Rector of the Catholic University, Washington.

LEONARD ANTHONY GIEGERICH,

Justice of the Supreme Court.

COMMERCIAL DIPLOMAS.

ALBERT RAYMOND BEESCH,

JOSEPH FRANCIS COTTER,

JAMES FRANCIS DOLAN,

LAWRENCE FRANCIS DOWD,

PATRICK HENRY DUFF,

PETER HENRY DUNN

LAWRENCE DAVID FARRELLY,
 MICHAEL ALPHONSUS HINES,
 JOSEPH TIMOTHY HOULIHAN,
 JOSEPH FRANCIS HUGHES,
 JAMES HENRY MULLEN,
 WALTER LEO MCGUIRE,
 FREDERICK LEO O'BRIEN,
 THOMAS FRANCIS O'HARA,
 JOHN JOSEPH PIERCE,
 CHARLES ANTHONY RYAN,
 DANIEL JOSEPH SULLIVAN.

PRIZES.

The Alumni Purse of Fifty Dollars for the best English Essay.

CHARLES B. McLAUGHLIN.

Next in Merit, LEONARD J. DAYTON.

Founded by the Alumni Society of Manhattan College.

The Herman Ridder Purse of Fifty Dollars for Experimental Physics.

JAMES R. FENNELL.

Next in Merit { PAUL VICTOR O'DWYER.
 EDWARD J. DEEVY.

Founded by Mr. Herman Ridder, New York.

MEDALS.

The Milmo McGowan Medal for Religious Instruction.

CHARLES B. McLAUGHLIN.

Next in Merit, HENRY J. CLARKIN.

Founded by Mrs. Milmo McGowan, New York

The Kelly Medal for Philosophy.

CHARLES B. McLAUGHLIN.

Next in Merit, LEONARD J. DAYTON.

Founded by Mr. Eugene Kelly, New York.

The Grady Memorial Medal for Oratory.

JOHN F. McCALL.

Next in Merit, CHARLES J. MIVILLE.

Founded by the Alumni Society.

The Develin Medal for French.

CHARLES J. MIVILLE.

Next in Merit, CHARLES B. McLAUGHLIN.

Founded by Mr. Charles E. Miller, New York.

The Taylor Medal for Philosophy of History.

CHARLES B. McLAUGHLIN.

Next in Merit, LEONARD J. DAYTON.

Donated by Rev. Matthew A. Taylor.

The Hoguet Medal for Civil Engineering (Senior Class).

PATRICIO A. SUAREZ.

Next in Merit, ARTHUR T. O'LEARY.

In Memory of Chevalier Henry L. Hoguet.

Donated by Mr. Robert J. Hoguet.

The Salter Medal for Civil Engineering (Junior Class).

Donated by Rev. John B. Salter.

(Not awarded.)

The Lavelle Medal for Pedagogy.

CHARLES B. McLAUGHLIN.

Next in Merit, LEONARD J. DAYTON.

Donated by Right Reverend Monsignor Lavelle.

The Doelger Medal for German.

EDWARD J. DEEVY.

Next in Merit, JAMES R. FENNELL.

Donated by Mr. Peter Doelger.

The Brother Charles Medal for General Proficiency,

Commercial Department.

WALTER L. McGUIRE.

Next in Merit, ALBERT R. BEESCH.

Founded by the Commercial Alumni.

Medal for Stenography,

Commercial Department.

ALBERT R. BEESCH.

Next in Merit, WALTER L. McGUIRE.

Donated by Mr. William C. Pommerer.

The Kean Medal for Religious Instruction;
Commercial Department.
LAWRENCE D. FARRELLY.
Next in Merit, JOSEPH F. HUGHES.
Donated by Rev. John J. Kean, LL.D.

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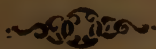
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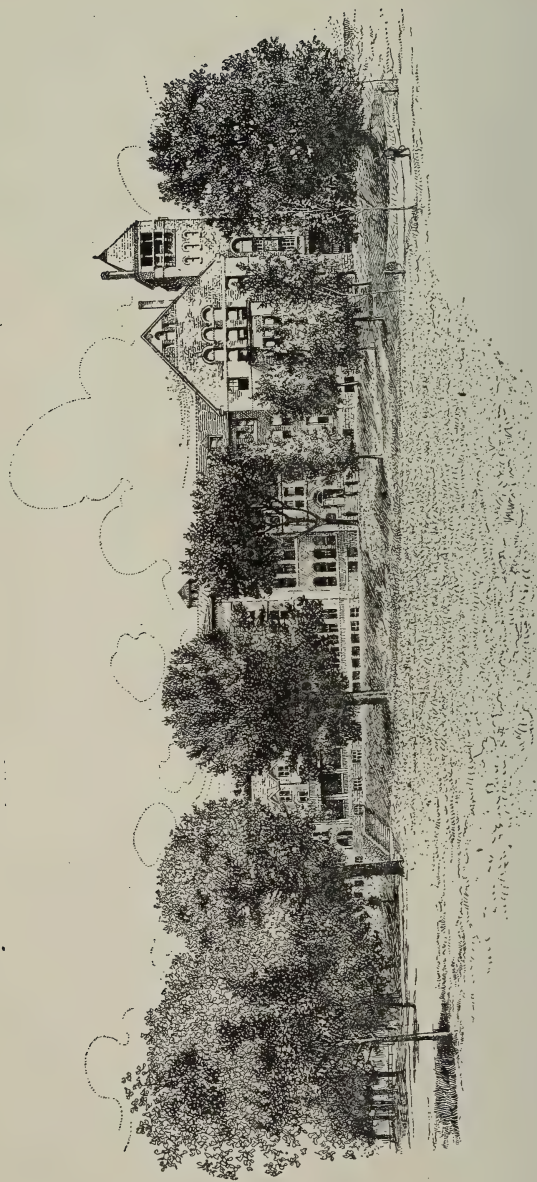
Marshall
College



1906

1837





COLLEGE BUILDINGS--THIRD AVENUE FRONT, BEFORE THE COMPLETION OF THE NEW BUILDING

ANNOUNCEMENTS
FOR
SESSION OF 1906-7

ISSUED

CATALOGUE
MARSHALL COLLEGE
HUNTINGTON, W. VA.

JUNE 1906.

REPORT FOR
SESSION OF 1905-6

CALENDAR.

FALL TERM.

SESSION

1906-7

SEPTEMBER, 1906.

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OCTOBER, 1906.

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NOVEMBER, 1906.

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WINTER TERM.

SESSION

1906-7

JANUARY, 1907.

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SPRING TERM.

SESSION

1906-7

MARCH, 1907.

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APRIL, 1907.

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MAY, 1907.

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JUNE, 1907.

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SESSION

1906-7

JUNE, 1907.

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PART I.

OFFICERS.

STATE BOARD OF REGENTS.

- HON. THOS. C. MILLER, State Supt. of Schools,
Charleston, W. Va.—President.
- HON. F. W. NESBIT, Attorney-at-Law,
Wheeling, W. Va.—Secretary.
- HON. IRA E. ROBINSON, Attorney-at-Law,
Grafton, W. Va.
- HON. E. L. DUNN, Business Man,
Bargers Springs, W. Va.
- HON. S. H. BOWMAN, Attorney-at-Law,
Philippi, W. Va.
- HON. ELLIOTT NORTHCOTT, Attorney-at-Law,
U. S. District Attorney, Huntington, W. Va.
- HON. ROBT. S. CARR, Business Man,
Charleston, W. Va.
-

LOCAL EXECUTIVE BOARD.

- CAPT. A. F. SOUTHWORTH, R. R. Engineer,
Huntington, W. Va.—President.
- PAUL W. SCOTT, Attorney-at-Law,
Huntington, W. Va.—Secretary.
- GEORGE F. MILLER, Cashier First Nat'l Bank,
Huntington, W. Va.—Treasurer.

FACULTY.

ACADEMIC AND NORMAL.

L. J. CORBLY, Principal,
German and Psychology.

MRS. NAOMI EVERETT, First Assistant,
French and Literature.

MISS ANNA CUMMINGS,
Superintendent of Teachers Training Department.

MISS LILIAN HACKNEY,
Mathematics.

W. M. MEREDITH,
Science.

MISS HARRIET D. JOHNSON,
Greek and Latin.

J. A. FITZGERALD,
Mathematics.

G. M. FORD,
Civics and History.

B. F. WILLIAMSON,
Latin.

R. J. LARGENT,
English and History.

MRS. FRANCES CALDWELL,
English and Mathematics.

MISS FRANCES BURGESS,
Political and Physical Geography.

MISS VIRGINIA RIDER,
English Grammar.

W. H. FRANKLIN,
German and Rhetoric.

ROLLA HAMILTON,
Language and Science.

MISS DELIA BRAKE,
English Grammar.

E. E. MYERS,
Normal Art.

MISS GRACE CUMMINGS,
Normal Music.

MODEL SCHOOL.

MISS ANNA CUMMINGS, Principal.

MISS VERGIE JOHNSON,
Grades V and VI.

MISS ELIZABETH FERGUSON,
Grades III and IV.

MISS MINNIE OGDEN,
Grade II.

MISS EVA HEIRONIMUS,
Grade I.

MISS DAINTY CRAIG,
Drawing and Color.

MISS HELEN TUFTS,
Music.

MRS. NAOMI EVERETT,
Advanced French.

MISS ESTHER CROOKS,
Beginning French.

MUSIC.

MRS. C. E. HAWORTH,
Voice.

MISS RHODA CRUMRINE,
Head Piano Teacher.

MISS MARY SHARP,
First Assistant in Piano.

MISS HELEN RANDALL,
Second Assistant in Piano.

MRS. BERTHA ROTH WALBURN,
Violin.

MISS EVA FLING
and
MISS FANNIE CANTERBURY,
Pupil Assistants.

MRS. C. E. HAWORTH,
MRS. B. R. WALBURN,
MR. GEORGE BAGBY,
MR. AUBURN CARTER,
College Quartet.

DEPARTMENT OF EXPRESSION,

MISS LUCIE BROWN.

ART.

E. E. MYERS, Principal,
MISS DAINTY CRAIG, Assistant.

LIBRARIAN.

MRS. ELIZABETH MYERS.

MATRONS.

College Hall,
MRS. LAURA J. MEANS.

Domestic Department,
MISS MABEL CASSADY.

For details concerning the Faculty, their experience and their preparation for their work, see pages 120, 121 and 122.

STANDING COMMITTEES.

CLASS OFFICERS.

CLASS OF 1907.—Mr. Ford and Miss Johnson.
CLASS OF 1908.—Mr. Williamson and Miss Burgess.
CLASS OF 1909.—Mr. Largent and Mrs. Caldwell.
CLASS OF 1910.—Mr. Franklin and Miss Rider.
CLASS OF 1911.—Mrs. Everett and Miss Hackney.

GENERAL.

LIBRARY.—Mrs. Myers and Miss Cummings.
BOARDING.—Mr. Fitzgerald and Miss Johnson.
GRADUATION.—Miss Hackney and Mr. Fitzgerald.
INTER-SOCIETY CONTEST.—Messrs. Franklin and Largent.
ADVISORY TO LITERARY SOCIETIES.—Messrs. Largent and Franklin and Miss Hackney.
SENIOR EXERCISES.—Class Officers, Class 1907.
JUNIOR EXERCISES.—Class Officers, Class 1908.
STUDENT SOCIALS.—Mrs. Everett and Mrs. Means.
CARE OF GROUNDS.—Messrs. Williamson and Franklin.
ATHLETICS.—Messrs. Ford, Fitzgerald and Largent, Miss Hackney and Mrs. Caldwell.
PUBLIC EXERCISES.—Mr. Corbly, Mrs. Everett, Miss Cummings and Mr. Ford.

All public exercises of whatever kind, which are held under the auspices of the school, in any department, must be passed upon by this committee.

COLLEGE HALL.

DINING ROOM.—Misses Cassady, Hackney and Johnson.
GOVERNMENT.—Mrs. Means and Mrs. Everett.
HOUSE.—Misses Johnson and Hackney and Mrs. Means.

OF SPECIAL INTEREST.

NEW BUILDING.

With the opening of the fall term, 1906, the new building facing 140 feet on Sixteenth street and 101 feet on Third avenue will be ready for occupancy. This adds the following to our school conveniences:

A Commencement Hall with inclined floors, both stage and main floor, a commodious gallery, and large dressing rooms for both ladies and gentlemen. The seating capacity of this hall, which is built after the plan of a theater, having foot lights, curtain space, and proscenium, is about 1,500.

A Study Hall of commodious size and centrally located on second floor.

A library, consisting of a stack and reading room, 44 x 33 feet, Librarian's Office, 15 x 16 feet, and a Document Room 31 x 20 feet.

Principal's Office.

Principal's Reception Room.

Eight large Recitation Rooms.

Gymnasium.

Two large and two small Toilet Rooms.

Two large Laboratories, one especially commodious.

Fire-Proof Vault for records.

* * * * *

As a result of the completion of this new building all rooms in the three most eastern sections of the series that make up the college block of buildings will be given up to dormitory purposes, thus gaining several new rooms for girls.

The school property at Marshall College is now valued at \$260,000. It includes sixteen acres near the center of the city and a block of well-finished, well-furnished, and well-equipped buildings, five in all, fronting 400 feet north and south, 140 feet west, and 55 feet east, a splendid and imposing structure. See pages 108, 109 and 110.

NEW COURSES OF STUDY.

With this issue of the catalogue the courses of study appear in decidedly modified forms. The normal course has been made more professional, while the academic course has been elaborated into three courses, the ancient language course, the modern language course, and the science course. These last three courses are considerably stronger than the old academic course, four years of Latin, three of Greek, three of German, three of French, taking the place of three, two, two and two years respectively of these languages; considerable science and mathematics have also been added.

There is greater freedom of choice allowed in selecting studies than formerly, and more liberty of substitution.

The class of 1907 will graduate under the old or the new course.

s they may choose; but all classes after 1907 will graduate under the new courses.

See pages 26 to 56, inclusive, for full details concerning courses of study.

ALUMNI RECORD.

There being no data of the alumni corrected to date it was decided to omit the Alumni Record from this issue of the catalogue and issue an Alumni Booklet some time within the coming year, a record that will be worthy of the Alumni Association of the school. Committees have been appointed to collect and correct the data necessary for this record.

THE TRAINING DEPARTMENT.

At the beginning of the new school year we shall be able to offer every advantage belonging to an up-to-date training school and model department. Four handsome rooms house the children. These rooms are furnished with everything necessary for the most advanced work, and will be in charge of teachers who have been carefully trained for their positions.

All of the grades will be carried, with a chance for practice work each.

The art work in the model school ranks with that furnished in the best public schools in the country. The entire work of the model school is carried on under the direct supervision of the superintendent of the training department.

These opportunities will be fully appreciated by the young teachers of the state who are fast discovering that amateur teaching is no longer acceptable and that they must meet the demand of the times or fall in the ranks. Since, in the near future, only those teachers who are fitted and trained for their profession will be able to secure good positions, we have felt the necessity of providing for this condition, and have therefore established and fully equipped a department which cannot fail to meet the most rigid demands. See pages 36 to 39.

FACULTY FOR 1906-'07.

The only changes in the teaching force of the school for the session of 1906-'07 from that of 1905-'06 are the following:

Mrs. Haworth resigns from the head of the Voice Division of the Music Department and will be succeeded by a gentleman if one can be found to suit. The principal is in the east at the time of the completion of this catalogue negotiating for a successor to Mrs. Haworth.

Some changes will be made in the assistants to Miss Crumrine, Piano Division, Miss Sharp having decided to complete her studies next year.

There is one change in the Model School teaching force and only one.

Miss Dainty Craig, assistant in the Art Department, resigns and is succeeded by Miss Daisy Tench, of Virginia.

GROWTH OF THE SCHOOL.

The growth of the school during the session of 1905-'06 exceeded every expectation. This growth was not confined to numbers simply, although in that respect it was unprecedented, having run close to the 1,000 mark; but the field of influence of the school has now extended to practically every county in the state, and to a number of other states, including in its patronage many of the best citizens of the territory covered.

The growth has been very marked, also in the literary, social, religious, professional, and academic features of the school. The "school spirit," the "class spirit," the spirit of loyalty and good fellowship, the educational spirit, have developed till each can be relied upon as a factor that will contribute to the larger life and wide sphere of usefulness to which Marshall College is destined to attain in the near future.

COLLEGE HALL.

The ladies' dormitory, known as "College Hall," has long since failed to meet boarding requirements for the ladies of the school. Attention will be directed especially to the dormitory needs of the school for the next few years. Meantime, young ladies wishing room in College Hall for all or any part of the session of 1906-'07 should engage (and "engage" means to pay for) room at once, for nothing like the number of calls for rooms that come to us each year can be accommodated. "First Paid, First Served" is the only rule we can adopt. See pages 76 to 89 for details about board in College Hall.

A BIT OF MARSHALL HISTORY UNEARTHED BY HON. VIRGIL

A. LEWIS JUST AS WE GO TO PRESS.

MARSHALL COLLEGE SIXTY-TWO YEARS AGO.

The following Editorial is copied from the "Kanawha Republican" of May 21, 1844, published at Charleston, Va.—now West Virginia.

"We availed ourselves of the opportunity, while in the vicinity a few days ago, to visit Marshall Academy. It is most delightfully situated near the bank of the Ohio, about two miles below Guyandotte. The building is brick, and is a good one, occupying a beautiful eminence in a grove of luxuriant forest trees, passed by the turnpike leading from Guyandotte to Sandy. The summer session had just commenced. There were already in attendance more than thirty scholars, male and female—and a more interesting company of youth we have never seen—their countenances beaming with intellect and the ardent desire for the acquisition of knowledge. Of the qualification of the Principal to train the youthful mind to learning and virtue, the communication above [that following this] we doubt not, does no more than justice. The citizens of that portion of Cabell have in this institution a treasure, which they should appreciate and cherish, all of not less value than their luxuriant, fertile and productive farms. They are amply able, and we hope they have the correct view of the infinite importance of rightly educating the rising generation, and the proper public spirit not only to sustain this school but greatly to extend its usefulness."

In the same Paper is a communication signed "B," who writes as follows, of Marshall Academy—now Marshall College:

MARSHALL ACADEMY.

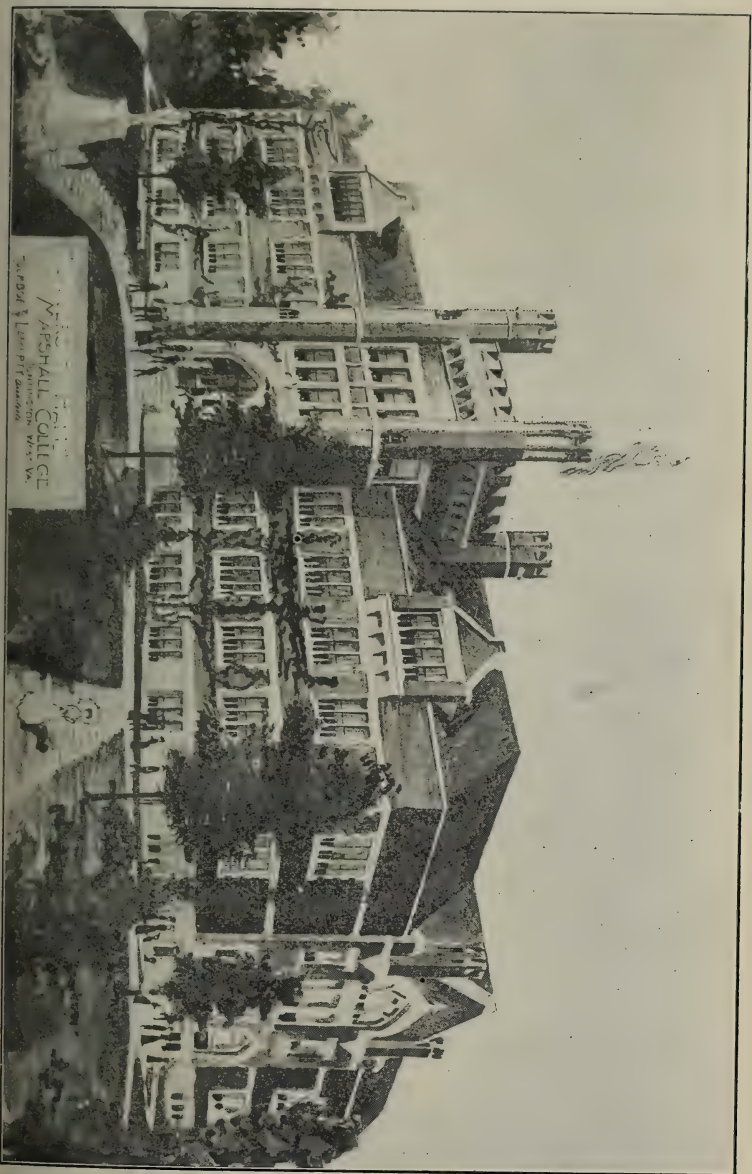
This institution (a short distance below Guyandotte, Cabell Co.), has been sustained for several years past. It has been under the government of several able teachers, but the late examination of the students by the Principal and board of trustees has established the high qualifications of the Rev. J. B. Poage, the Principal, as efficient as ever had the government of that Academy. A large school was examined upon the courses of studies they had pursued for the last session; and in all the branches of a common English course of instruction, Latin, and several branches of mathematics and **vocal music**, they evidenced an acquaintance and familiarity that could alone be produced by a thorough application, aided by one capable of giving instruction. It is worthy of remark, that Mr. Poage employs a short time each day instructing his school in singing. No man could be

better qualified, as was shown from the rendition of appropriate pieces that were sung during the day—and as we otherwise see, by the improvement in church music when he attends Divine Service at the Academy.

The exercises of the evening were closed by an interesting address from the Rev. Mr. Case of Kentucky, worthy of the man and the occasion.

The school is unquestionably the cheapest of the kind in the West of Virginia, in a healthy moral neighborhood; and the course of instruction for preparing young men for entering college, or completing a useful education, is very superior, and therefore worthy of the public patronage.”

“B.”



NEW BUILDING—SIXTEENTH STREET FRONT

PART II.

LEADING FACTS OF THE SCHOOL'S HISTORY.

1. Established in 1837.
2. First name, "Marshall Academy."
3. Named for Chief Justice John Marshall of the Supreme Court of the United States.
4. First building erected on the site of the east wing of the present dormitory.
5. Changed from an academy to a college in 1853, and the name changed accordingly from "Marshall Academy" to "Marshall College."
6. Made the "State Normal School" of West Virginia in 1867, the name "Marshall College" being retained by legislative enactment.
7. Five branch schools to "Marshall College" established between the years 1867 and 1871 at Fairmont, Shepherdstown, Concord Church (now Athens), West Liberty, and Glenville.
8. Constitutional amendment passed in 1871 prohibiting the establishing of any more "branch" normals.
9. A new \$38,000 building, erected in 1874, which, completely overhauled and remodeled in 1899, constitutes the west wing of the present dormitory.
10. A second building, \$27,000, erected in 1895.
11. A third building erected in 1897,—the east wing of the present dormitory.
12. A fourth building erected in 1899.
13. A fifth building, under process of construction at this writing, May, 1906, to be ready for occupancy this summer—1906.
14. Nucleus of a model school organized and placed under the instruction of Miss Mabel Brown in 1897, but discontinued in 1899 owing to lack of funds.

15. Model and teachers training school organized and placed under the superintendence of Miss Anna Cummings, January, 1902.

RECENTLY FOUND.

We are indebted to Hon. Virgil A. Lewis for unearthing, a few weeks ago, the following bits of Marshall College history:

(Copied from the "Kanawha Valley Star" of Nov. 11, 1856.)

"MARSHALL ACADEMY."

"Turning aside from the din of politics, we would take occasion to call the attention of those who are interested in the subject of education, to the excellent institution whose name heads this Article. It is situated in a pleasant neighborhood, of easy access, on the Ohio river, two miles below the pleasant town of Guyandotte, Cabell County, Virginia.

"It has been in operation for some dozen years or more, and during that short period very many of its scholars have become prominent and leading men in the learned professions of law, physics, agriculture, and divinity; and many of them have risen to high official stations, civil and military, not only in Virginia, but also in other States of the Union. Indeed, it is doubtful whether there is now an Institution in the State, that, in so short a time has sent forth so large a proportion of leading men.

"So much for the past of its short history. Its future is still more promising. During the last Session there were nearly a hundred students in attendance; and the high character won for the school, by Mr. Boyers, the admirable and estimable teacher, at its head, is a harbinger of still greater success and usefulness.

"The trustees, Messrs. John Laidley, F. G. L. Beuhring, P. Buffington, Dr. G. Ricketts, and others are gentlemen whose names give character and currency to whatever they may be connected with. The Institution is further under the supervision and control of the Southern Methodist Conference of Western Virginia. This gives assurance that a moral and religious influence will breathe around it.

"Should any apprehend that sectarianism might, therefore, be inculcated, their fears will be quieted by the consideration of the fact that while the Institution is under the control of the Methodist Conference, the principal of the Academy is a Presbyterian, thus showing a liberality of sentiment worthy of Christianity, and a prudence and propriety on the part of those connected with the Institution highly creditable to these different branches of the Church.

"Marshall Academy has many advantages, and it offers strong inducements to the Public for its patronage.

~~~~~

"The course of study, the rules and regulations, the privileges of the library and literary and debating societies, the price of food and tuition and such like, can be seen by reference to the printed Catalogue for 1856, or by addressing the Principal. The next Session begins in November."

(An Editorial in Kanawha Valley Star, Nov. 11, 1856. Copied in State Department of Archives and History, by Virgil A. Lewis, May 8, 1906.)

**"MARSHALL ACADEMY" BECAME "MARSHALL COLLEGE" IN  
1858.**

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The following clipping refers to the issuing of the first catalogue under the new name of the institution:

**THE FIRST ANNUAL CATALOGUE OF  
MARSHALL COLLEGE.**

**NOTICE FROM "KANAWHA VALLEY STAR," OF SEPT. 6, 1859.**

"The First Annual Catalogue of Marshall College, Cabell County, Virginia for the Collegiate Session of 1859-60, printed at the 'Southern Methodist Itinerant Book and Job Office,' has been laid upon our table, from which we see that the first Session of this Institution was to have been opened on the 22nd of August, 1859, and continue ten months—The Session will be divided into two terms of twenty weeks each.

"The expenses for tuition are very reasonable, the location a beautiful one, and the faculty unsurpassed in Western Virginia."



## PART III.

### GOVERNMENT.

#### STATE BOARD OF REGENTS.

**TENURE OF OFFICE:**—Marshall College, the state normal school of West Virginia, and its five branches, are under the general supervision and control of a state board of regents, six in number, of which board the state superintendent of schools is, ex-officio, president and active member, thus making a board of seven members. This board is appointed by the governor of the state for a period of four years, the terms of three of them expiring every two years, thus practically assuring three experienced members on the board all the time.

The office of state superintendent of schools is an elective one, hence the president of the normal board is an elective officer, his election occurring at each regular quadrennial state election.

**POLITICAL COMPLEXION:**—Politically the board is composed of four members and the state superintendent, selected from the dominant political party, and two from the minority party. The terms of two members of the dominant and one of the minority party expire every second year, thus leaving at least one experienced member of the minority and two of the majority party on the board all the time. At the present time in West Virginia the board stands, therefore, five Republicans and two Democrats.

**OFFICERS:**—The officers of the state board are president and secretary. As stated above, the state superintendent of schools is, ex-officio, president; the secretary is chosen by the board from among their number.

**DUTIES:**—Briefly put, the duties of the board of regents consist of the following:

1. To decide upon the number of teachers, appoint them, remove same for cause, and fix salaries.
2. To provide courses of study (or approve same when submitted by the principals), select text books (or approve same when selected by the principals).
3. To adopt by-laws, rules, and regulations for the government of the schools.
4. To appoint an executive board for the normal school and one for each of its branches.
5. To perform all other duties necessary for the government, progress and development of these schools.

**COMPENSATION:**—The sum of \$1,500 is appropriated for the annual expenses, traveling and per diem, of the regents, and the secretary is allowed \$200 additional to his traveling and per diem expenses. All or a part of the regents attend the annual commencements of the normal school and its branches.

#### EXECUTIVE BOARD.

The law prescribes that the state board of regents "shall appoint three intelligent and disinterested persons, residents of the county in which the school is located, who shall constitute an executive committee for the care and immediate management and control of said schools, subject to the rules and regulations prescribed by the board of regents."

It is the duty of these committees to make reports from time to time concerning "the condition, workings, and prospects of said schools," and "to do and perform such other duties in relation thereto as the regents may prescribe."

#### THE FACULTY.

All matters of discipline, so far as is possible, are referred to the faculty; indeed the very healthful sentiment prevails with the board that theirs should be a *laissez faire* policy in such matters until actual necessity arises, which cases have been remarkably few in many years at Marshall College, practically nil for a quarter of a century.

Aside from the fixing of salaries, the employing and removing of teachers, and the fiscal affairs of the normal school and its branches, the duties of conducting these schools are almost exclusively left to the faculties, who have learned to appreciate their responsibilities and not to worry either executive or state board with details except when absolutely necessary. Indeed this is so much the case at Marshall College that we should feel humiliated were we compelled to be making frequent appeals to higher authority, thus not only troubling

them but confessing our inability to cope with the situation within the limits of the authority vested in us as a faculty.

Government at Marshall College may be said, without semblance of boast or approach to exaggeration, to be reduced almost wholly to self-government on the part of the student body; this is facilitated by the appointment of various standing committees, some selected exclusively from the faculty, some exclusively from the student body, and some from both the student body and the faculty, the number, and the nature of the duties of which, will be found under the head of "Standing Committees," see "table of contents" in the front of this book.

It is a pleasure to record in this connection that it is matter of almost universal comment among strangers and friends alike, that the students of Marshall College are noted for their courtesy to strangers, fellow students and faculty, their respect for authority, and their thoughtfulness for their own good name and that of their school.

Suspensions seldom, very seldom occur, expulsions rarely, and when they do, no cymbals are sounded, no public proclamations are made, and no red flag is hung out to notify the school and the public, stir up public comment, and add unnecessary, if not criminal, humiliation to the expelled and his or her parents and friends. Usually such things are done without the knowledge of any one, at the time, except the principal and the expelled one, and only by degrees do the facts come to the notice of the school, sometimes not at all.

We have but little sympathy with that theory of punishment in school life that has for one of its main objects the deterring of others. Both law and reason, to say naught of charity and humanity, should be satisfied with simple justice to the offender, especially if he or she be young and unhardened to crime, hence worthy of every possible effort to redeem him and to make him useful.

## PART IV.

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### ADMISSION.

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**AGE:**—The following are the age requirements for admission to different departments of the school:

**Art Department,**—no age limit.

**Oratory Department,**—no age limit.

**Music Department,**—no age limit.

**Model Department,**—from 5 years up.

**Normal and Academic Departments,**—males from 14 years up, females from 13 years up.

**Professional Department,**—juniors and seniors taking the normal course, those in the most advanced year of the Teachers Preparatory course, and those outside these classes who have already taught or are mature enough to intelligently grasp the work and expect to teach.

**RECOMMENDATION:**—Every student who wishes to enter any department of the school must first present to the Principal a letter of recommendation for good moral character, reasonably studious habits, at least ordinary intelligence, and willingness to comply with regulations of the school. This letter must be written by some honorable and influential citizen not related to the applicant for admission. The name of the writer is entered on the records of the school as the one who vouches for the applicant. Said writer will be promptly notified in case the student recommended fail to qualify by his habits here, or by his intelligence, the correctness of the assurances set forth in the recommendation.

**CREDITS FOR WORK DONE ELSEWHERE:**—Credit is given for work done in any school of recognized standing and known thoroughness in the work it requires. The number and extent of these credits for a course depends on the course of study in said school, the teachers under whom the work was done, and whether it covers the requirements here. The text book used and especially the school and educational and experience of the teacher under whom the work was done



are the items of importance to us when allowing credits. Correspondence beforehand is always the safer plan for the applicant for credits to adopt. Write the Principal of this school direct.

Those holding No. one county certificates issued under the new law, also any experienced teacher holding a No. one certificate or equivalent, will receive credits on the following subjects, provided he has made 90 per cent or above on these subjects, and provided further that his work as student here indicates that his scholarship is of sufficient proficiency as will justify our giving these credits, and provided finally, that our "Parallel Readings" requirements be complied with.

1. Written Arithmetic. 2. Mental Arithmetic. 3. Geography. 4. U. S. History. 5. General History. 6. Penmanship. 7. Bookkeeping. 8. Physiology. 9. Orthography.

These credits merely excuse the applicant from pursuing the subjects here in school, but do not excuse him from the final examinations on Written Arithmetic, Mental Arithmetic, Geography, U. S. History, English Grammar, and Orthography, nor do they excuse him from the required readings on Geography and U. S. History, "Parallel Readings" on the pages following. Final examinations are required only of those who are candidates for graduation, but "Parallel Readings" apply to all who ask for credits whether they graduate or not.

Credits will not be given on Greek history, Roman history, English history, unless these subjects have been completed in a high school, under a good teacher of history, in separate text books. Work on these subjects in General history will not be accepted. Work on Greek, Roman, and English history. Our students are required to take texts on Greek, Roman, and English history.

Credits will be given on any other subject in the normal academic course whenever the applicant for credits can produce a written statement from a school whose work can be approved. Blanks are furnished applicants, who may send them to the schools where the work was done, for filling out and signature. On receiving credit entry is made on our grade book stating where the accredited work was done, so that, in case the applicant afterward prove deficient on the subjects on which credits have been given, we may discontinue that school as an accredited one, or refer the one who discovers the imperfection to the records to show that the work was not done here.

No student, however, no matter how many credits he may have, is permitted to graduate without having spent one full year at this school, except by special permission of the state board, and this must be his junior or senior year.

The "Final Examinations" in written arithmetic, mental arithmetic, geography, U. S. history, English grammar and orthography referred to a few paragraphs above are by no means severe, except the one in orthography (which is not a mere pastime). They







brief, simple, straightforward, having in view merely the finding out whether we could recommend those taking them, should occasion arise, for positions of any kind, or to some higher institution. No attempt is made to embarrass the applicant. If, however, the results of these very simple examinations show that any applicant for senior honors is seriously lacking in the fundamentals of these subjects, some additional work may be required; this would depend on how serious the lack of knowledge on these subjects proved to be.

**FEES:**—The only fee required of West Virginia students for entering the Normal and Academic departments is the "Enrollment Fee," \$2.00 per term, which is payable at the opening of each term, fall, winter, and spring, and is never refunded, no matter how short a time the student may remain in school. This fee is always payable in advance and should be brought when the student presents himself for enrollment, as it is the receipt for this fee which must be presented to the teacher before the student can enter his classes.

The fee for the summer term in the Normal and Academic department is \$5.00, payable in advance, and not returnable except in case of continued and severe illness. The reason the fee for the summer term is more than the fees for the other terms is because the instructors who have charge of the summer term are not salaried for that term by the state, hence receive no remuneration for their services except from this fee.

The fee for entrance to the Model department is the same, \$2.00, and is payable at the same time, in the same way, and under the same conditions, as the fee for the Normal and Academic department.

The fees for entrance to the Normal and Academic, and to the Model department, for the fall, winter, and spring terms, go to help defray the current incidental expenses of the school, while the \$5.00 fees payable at the opening of the summer term go to pay the teachers for that term, they having no other source of remuneration for said term, as stated above.

Students from other states who wish to enter the Normal and Academic department for the fall, winter, and spring terms, pay, in addition to the "enrollment fee" (\$2.00 per term) a "tuition fee" of \$6.00 per term, thus making their total fees for these three terms \$8.00 per term; but they are admitted to the summer term on exactly the same basis as students from West Virginia, \$5.00.

For the amount of the fees in the departments of Art, Oratory, and Music, see Parts.

## PART V.

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### THE NORMAL DEPARTMENT.

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This department includes:

1. THE MODEL SCHOOL.
2. THE TRAINING WORK.
3. SCHOOL VISITING.
4. SIGHT READING IN MUSIC.
5. DRAWING AND COLOR WORK.
6. SPECIAL LECTURES.
7. ORTHOGRAPHY.
8. THE SEMINARIES.
9. THE NORMAL COURSE.

#### THE MODEL SCHOOL.

At a special meeting of the regents in December, 1901, it was voted to open a training department, in connection with the work of the Marshall College Normal School.

On January 1st, Miss Anna Cummings, was called from Stanford University, California, to organize and take charge of this department.

For the remainder of that year the time was spent in arranging for additional Normal classes and in laying the foundation for the work of the coming year. A seminary in pedagogy was organized at once, a full description of which will be found under the heading of Normal course.

Classes were also provided for in child study and educational psychology.

In Sept., 1902, the first Model class was organized. Thirteen children met in the class room of the superintendent, and under her direction actual work commenced.

No attempt was made at a classified school as there was no provision for larger numbers or division into grades.

In addition to the pedagogy seminary a similar one in current

history was started, attendance upon which was required from all members of the senior class, Academic as well as Normal.

The Normal curriculum now included, beside the branches required previous to 1901, courses in Biblical History, Moral Education of Children, Child Study, Educational Psychology, and two Seminaries..

In addition, all normal students were required to visit, during the year, at least ten outside schools, for observation work, and ten classes in the preparatory department of the college.

In September, 1903, application from parents became so urgent that two rooms were opened in the model school, with twenty-two children in attendance and two regular teachers in charge. All Normal seniors were required to assist in the department for at least one period a day, during one term, under the direction of the superintendent, whose time, while the children were in school, was given to this supervision. The other Normal work was continued as usual.

In 1904, a third room was opened and three regular teachers were installed, with a partial grading of the children.

During the last school year we have had a fully graded Model school, occupying four attractive rooms.

As nearly as has been practicable, the number of children has been limited to sixteen in a room. This has been done, in spite of constant application on the part of the parents, because we believe that this limitation is for the good of the department.

With small numbers, plenty of room and air, and a chance for individual attention on the part of the teachers, the children have every advantage, while these conditions facilitate also the work of training the student teachers.

The model rooms are papered and are furnished with a full equipment in the line of pictures, globes, dictionaries and other school helps.

A choice library of childrens' books is an additional attraction. Each room is in the charge of a carefully chosen teacher, who has had successful experience elsewhere, and who has been trained under the superintendent. These teachers have care of the rooms and are responsible for the order and standard of work.

During the hours of the children, from a quarter before nine until half past twelve, the time of the superintendent is given to the supervision of the work, and to the training of the pupil teachers. Unless these teachers have already had successful experience they are obliged to give, for a full year, one period a day to the work. At least a term's teaching is required of every one, and many give a large amount of extra time for the sake of the experience. The first work of the young teacher is often limited to observation in the different rooms of the department; when they prove competent they are allowed to help in carrying on the childrens' classes. Sometimes these classes are broken into groups, which meet in the superin-

tendent's room, and special help is given to individuals, as it may be needed. In this way the children have the advantage of personal assistance while the teachers, at the same time, gain in experience.

All the grades are carried, so that children can enter at five years of age and continue the work, without break, until they are ready for entrance to the college. The full program and discussion of the subjects carried by the Model School will be found following this section.

## OUTLINE OF THE WORK IN THE MODEL SCHOOL.

### READING.

The work in reading commences with word and sentence building. The first lessons are given in script from the board, with concrete illustrations of the meaning of the words, then the child passes through a gradual transition to the reading book. The text used throughout the first six years is Arnold and Gilbert's *Stepping Stones to Literature*. Constant attention is given to sight and silent reading throughout the grades. Supplementary Material is gathered from all sources, from myth, fable and folk-lore, geography, history and the best classical literature. Much emphasis is placed upon committing poems and memory gems from the choicest authors.

### ENGLISH.

It is being surely proved by our own experience in this country and by the just criticism of visiting foreigners that no subject in our school is so neglected or so abused in the teaching as that of English. Because of this conviction, practice in English is given a most important place in the curriculum.

First of all, because most necessary, every ungrammatical expression used by the children is noted by the teacher and the mistake corrected, regardless of the time consumed. In this way the early habit of speaking correct English is formed and the proper foundation laid for later training. Original sentence work commences with the second year and original composition with the third year. Every effort is made to encourage the expression of thought, first orally and then in writing. Stories, poems and descriptions are reproduced, varied and simple exercises in the construction of sentences. Every composition and exercise written is carefully reviewed by the teacher and then corrected by the pupils themselves. All examination papers are treated in the same manner thus making them an exercise in English as well as a test of scholarship.

When the first text book is used, in the fifth year, it is still supplemented by original work, designed to develop thought and



expression. Patrick's Lessons in Language is the first book used and this is followed by Buehler's Grammar in the sixth and seventh years and by Patrick's Grammar in the eighth year. From the first a combination is made with the drawing lessons, whereby the children do their own illustrating. This is varied by pictures cut from periodicals, only those pictures being used which are copies from the best in art. This union of the drawing and English, resulting in really artistic compositions, adds greatly to the interest in the lessons and serves as an inducement to the best effort.

### ORTHOGRAPHY.

Practice in spelling supplements the reading of the first year and is a daily exercise throughout all the grades, not only in connection with the reading and English but also by means of separate lessons. The simplest sounds of the letters are learned during the first year, and exercises in phonics and the marking of quantity form a part of the regular lessons.

Recitations are both oral and written and include the spelling of geographical and historical names. The first written work is made a part of the writing exercise upon especially prepared paper. After the first year The Modern Spelling Book is introduced and used throughout the grades.

### WRITING.

The vertical slant system of writing is used. During the first two years all English work is done upon paper especially ruled for the purpose, in order that regular habits in penmanship may be formed from the beginning.

Much objection is made to any system of handwriting which does not vary among adults.

This system, while it insures a certain uniformity, until the child has learned to properly estimate the relations between spaces and the letters occupying them, does not prevent the development of an individual hand later.

### ARITHMETIC.

The number work of the first year is largely objective, that of the second and third years includes practice in the fundamental rules, the multiplication table, the tables of weights and measures and problems specially designed to cultivate thought power. It is believed that mental exercises cannot be introduced too early. The subject of weights and measures is concretely presented by means of a full



cabinet, containing measures and scales, so that the pupils can actually test the tables for themselves.

Every good device known is available for the number work and by this means it is prevented from becoming monotonous and tedious.

Ray's Elementary Arithmetic is used throughout the fourth and fifth year but this book furnishes only a basis for supplementary exercises taken from the newest and best texts of the day. In the sixth and seventh years Milne's School Arithmetic is used and in the eighth arithmetic is reviewed. Supplementary problems and Mental drill continue throughout the course.

### MODERN LANGUAGE.

We have undertaken to give children in the model school a modern language because we believe that in childhood, when the verbal memory is strongest, languages are most easily acquired. It is a matter of observation that a child taken abroad by his parents for the purpose of learning a foreign tongue will speak it fluently before the parents have mastered the irregular verbs.

We do not aspire to have the children speak French fluently, since they can have only one period each day for this work, and since they do not hear the language spoken outside the class room, but we have succeeded in a large measure with those who have been with us longest in teaching them to write, to translate and to pronounce the French language. We consider the practical value and the cultural value of this knowledge to be great enough to justify the time bestowed upon it.

### ELEMENTARY SCIENCE.

The work in elementary science includes nature study for all grades, health talks, simple physiology and hygiene.

For the little ones Anna Thomas' First School Year is the basis of the lessons. With the older ones the best books are read and discussed and all the children are encouraged to watch and investigate animal life as they see it around them. During the first three years of the course in drawing is based on the nature study and both correlated with the English. The drawings of the children are used to illustrate their compositions and the ideas which are developed by pencil and crayon are gained largely from the observation of animals, fruits and plant life. This is supplemented by stories, pictures and descriptions.

Elementary talks are given in physiology and hygiene, intended to prepare the way for the test later.

### DRAWING.

The purpose of drawing in this department is fourfold, viz:

- 1st. To awaken interest.
- 2nd. To stimulate observation.
- 3rd. To develop memory.
- 4th. To cultivate expression.

All children are interested in drawing and this interest is deepened by fixing their attention upon the common things with which they come in contact; they thus develop a keen and unerring observation of created things with reference to form, color, action, feeling, weight, effect and source.

When they have observed these facts for themselves they next proceed to give expression to their knowledge, and this process (drawing) compels perception, conception, observation and reflection; it also develops imagination, judgment and reason.

The work in the first three grades is based upon and correlates with nature study and English and includes memory and imaginative drawing. In the higher grades the same work is carried to a greater degree of perfection with the addition of map-drawing, the study of color and of natural and artificial objects.

### MUSIC.

Song-singing, when properly related to sight-reading, is of greater value in the musical development of the child than the study of technique alone. While technique is abstract and beyond the comprehension of children, songs are to them realities, attractive and interesting. The study of songs alone, however, cannot bring about necessary growth in musical understanding. We recognize the importance of thorough drill in the elements of music and in sight singing. Hence, the combination of simple melodies with interval practice and sight-reading is followed throughout the course.

### GEOGRAPHY.

Lessons in geography commence in the second year. A fine globe, suspended from the ceiling by a weight, gives the children their first ideas of the shape of the earth, the zones, the continents and main bodies of water with other forms. As soon as they are in possession of a few fundamental facts, such as those of direction, distance, the shape and motions of the earth, changes in climate and the forms of land and water, they are taken on an imaginary journey around the globe.

Everything is made as realistic as possible; pictures are used in profusion, descriptions of places and people are read or presented

orally, and an earnest effort is made to develop and fasten the idea that the study of geography primarily means the study of real places and real people.

The history and English of the second year are united with the geography. A visit to Rome, for example, furnishes a chance to tell the story of Horatius at the Bridge and to read the poem. Then the story is reproduced as a part of an English exercise.

All through the course the geography, history and English are made to correlate. Frequent stories and descriptions familiarize the pupils with the habits and customs of the peoples of the different countries.

No maps are used until the fourth year, but a large sand table furnishes abundant chance for concrete illustration of the surface of the earth.

Rand and McNally's elementary geography is studied in the fourth and fifth years, supplemented by outside readings, pictures and descriptions. In the sixth and seventh years Mitchell's Geography is used. Chalk modeling is introduced with the first map drawing and large dissected maps of all the countries supplement text and globe.

Until the sixth year history and geography alternate with each other.

The eighth year pupils have the opportunity for rapid review of Mitchell's Geography.

### HISTORY.

As has been noted, the history of the second and the third year correlates with English and geography. Biography, story and description, read, written and illustrated, hold the interest and prepare the way for the text. In the fourth and fifth years Montgomery's Elementary History is used, with outside readings. In all cases, when text is furnished, fully half of the recitation period is spent in reading over and discussing the next day's lesson. The recitation proper is considered of less importance than the preparation of the lesson.

In the sixth and seventh years Montgomery's History is studied and in the eighth year the work is reviewed, if needed. Tests are frequent and every test is made also an exercise in English.

### MANNERS AND MORALS.

It is believed that the simple lessons growing out of the daily experiences of child life accomplish more than any set instruction in morals, and constant effort is made to help the children understand that truly polite manners spring only from a pure and unselfish heart. The everyday life of a school furnishes abundant opportunity for developing the spirit of the golden rule and the culture which is the result of that spirit rather than of any outside effort.







# FIRST YEAR.

|                                       |                       |                                 |                   |                        |                     |                               |                               |                                     |
|---------------------------------------|-----------------------|---------------------------------|-------------------|------------------------|---------------------|-------------------------------|-------------------------------|-------------------------------------|
| Reading by Word and Sentence Building | Objective Number Work | Elementary Spelling and Phonics | Beginning English | Writing Vertical Slant | French Conversation | Nature Study and Health Talks | Drawing based on Nature Study | Elements of Music and Sight Reading |
|---------------------------------------|-----------------------|---------------------------------|-------------------|------------------------|---------------------|-------------------------------|-------------------------------|-------------------------------------|

# SECOND YEAR.

|         |                             |                      |                    |         |                                     |                                        |                               |                                     |                                  |                                  |
|---------|-----------------------------|----------------------|--------------------|---------|-------------------------------------|----------------------------------------|-------------------------------|-------------------------------------|----------------------------------|----------------------------------|
| Reading | Numbers Problems and Tables | Spelling and Phonics | Elementary English | Writing | French Conversation and Translation | Nature Study and Elementary Physiology | Drawing based on Nature Study | Elements of Music and Sight Reading | History Stories and Descriptions | Geography Talks and Descriptions |
|---------|-----------------------------|----------------------|--------------------|---------|-------------------------------------|----------------------------------------|-------------------------------|-------------------------------------|----------------------------------|----------------------------------|

# THIRD YEAR.

|         |                             |                      |                                   |         |        |                    |                               |                                 |                                  |                                  |
|---------|-----------------------------|----------------------|-----------------------------------|---------|--------|--------------------|-------------------------------|---------------------------------|----------------------------------|----------------------------------|
| Reading | Numbers Problems and Tables | Spelling and Phonics | English Exercises and Composition | Writing | French | Elementary Science | Drawing based on Nature study | Sight Reading in Music and Song | History Stories and Descriptions | Geography Talks and Descriptions |
|---------|-----------------------------|----------------------|-----------------------------------|---------|--------|--------------------|-------------------------------|---------------------------------|----------------------------------|----------------------------------|

# FOURTH YEAR

|         |                       |             |                                   |         |        |                    |         |       |                          |                      |
|---------|-----------------------|-------------|-----------------------------------|---------|--------|--------------------|---------|-------|--------------------------|----------------------|
| Reading | Elementary Arithmetic | Orthography | English Exercises and Composition | Writing | French | Elementary Science | Drawing | Music | Elementary U. S. History | Elementary Geography |
|---------|-----------------------|-------------|-----------------------------------|---------|--------|--------------------|---------|-------|--------------------------|----------------------|

# FIFTH YEAR.

|         |                       |             |                                   |         |        |                    |         |       |                          |                      |
|---------|-----------------------|-------------|-----------------------------------|---------|--------|--------------------|---------|-------|--------------------------|----------------------|
| Reading | Elementary Arithmetic | Orthography | English Exercises and Composition | Writing | French | Elementary Science | Drawing | Music | Elementary U. S. History | Elementary Geography |
|---------|-----------------------|-------------|-----------------------------------|---------|--------|--------------------|---------|-------|--------------------------|----------------------|

# SIXTH YEAR.

|         |            |             |                                 |         |        |                    |                               |       |               |           |
|---------|------------|-------------|---------------------------------|---------|--------|--------------------|-------------------------------|-------|---------------|-----------|
| Reading | Arithmetic | Orthography | English Grammar and Composition | Writing | French | Elementary Science | Drawing including Map Drawing | Music | U. S. History | Geography |
|---------|------------|-------------|---------------------------------|---------|--------|--------------------|-------------------------------|-------|---------------|-----------|



## TEACHERS IN THE MODEL DEPARTMENT.

1903-'04.

Miss Aura Stevens

Miss Ella Turner

1904-'05.

Miss Flora Pope

Miss Sallie Humphries

Miss Aura Stevens

Miss Dainty Craig

1905-'06.

Miss Virgie Johnson

Miss Minnie Ogden

Miss Elizabeth Ferguson

Miss Eva Hieronimus

Miss Dainty Craig

## MODEL PUPILS.

1902-'03.

Andrews, Ralph

Myers, Doris

Burns, Frances

Newman, Ford

Chambers, Guy

Northcott, Amizetta

Fitzgerald, Lawrence

Northcott, Andrew

Guthrie, Kathleen

Nye, Gordon

Henson, Jessie

Walton, Ethel

Wilson, Clara

1903-'04.

Andrews, Ralph

Miller, Sallie

Childers, Ester

Myers, Doris

Doolittle, Mac

Newman, Ford

Guthrie, Kathleen

Northcott, Andrew

Hagan, Hugh

Roberts, Hazel

Henson, Jessie

Roberts, Garland

Leftwich, Ruby

Sikes, Minnie

LeSage, Frank

Walton, Ethel

LeSage, Lucile

Walton, Porter

LeSage, Ruth

Williamson, Mary

McVay, Hilda

Yates, Annie

1904-'05.

Andrews, Ralph

McVay, Hilda

|                      |                     |
|----------------------|---------------------|
| Bagby, Helen         | Newman, Ford        |
| Corwine, Marie       | Northcott, Andrew   |
| Cox, Thelma          | Roberts, Hazel      |
| Doolittle, Jean      | Roberts, Garland    |
| Doolittle, Mac       | Robertson, Gertrude |
| Fitzgerald, Lawrence | Sikes, Minnie       |
| Guthrie, Kathleen    | Sikes, Walter       |
| Henson, Jessie       | Simms, Earle        |
| Jenkins, Emma        | Smith, Flora        |
| Jones, Macon         | Stevens, Alleene    |
| Jones, Selden        | Thornburg, Irving   |
| Leftwich, Ruby       | Tomkies, Douglas    |
| LeSage, Dovel        | Vickers, Leonard    |
| LeSage, Frank        | Walton, Ethel       |
| LeSage, Josephine    | Walton, Porter      |
| LeSage, Lucile       | Weider, Alice       |
| LeSage, Ruth         | Wilson, Lewis       |
| Myers, Doris         | Williamson, Mary    |

Yates, Annie

1905-'06.

|                       |                         |
|-----------------------|-------------------------|
| Andrews, Ralph        | MacDonald, Donald       |
| Boig, Eleanor         | Mason, Frances          |
| Bagby, Helen          | Mason, Robert           |
| Branthoover, Virginia | Mathews, Robert Peebles |
| Carter, Dayton        | McVay, Hilda            |
| Carter, Thelma        | Morrison, Ernest        |
| Caughey, Mary Lapsley | Morrow, George          |
| Cavendish, Marguerite | Myers, Doris            |
| Cavendish, Virginia   | Newman, Ford            |
| Cleveland, Marion     | Northcott, Andrew       |
| Corwine, Marie        | O'Hanlon, Donna         |
| Cox, Thelma           | Reid, Bessie            |
| Crum, Maude           | Reid, Leroy             |
| Doolittle, Jean       | Rifle, Lucile           |
| Doolittle, Mac        | Robertson, Gertrude     |
| Emmons, Carlton       | Roberts, Garland        |
| Erskine, Lillian      | Roberts, Hazel          |
| Ferguson, Clarence    | Roberts, Thelma         |
| Ferguson, Kathleen    | Sample, Dixie           |
| Fitzgerald, Lawrence  | Sanborn, Audrey         |
| Ford, Margaret        | Sanborn, Mary           |
| Gautier, Kathleen     | Simms, Earle            |
| Germer, Charles       | Smith, Flora            |
| Gregory, Jean         | Stevens, Alleene        |

Henson, Jessie  
 Holliday, Mary L.  
 Jenkins, Emma  
 Jones, Macon  
 Jones, Selden  
 Leftwich, Ruby  
 Lemley, Edith  
 LeSage, Dovel  
 LeSage, Frank  
 LeSage, Josephine  
 LeSage, Lucile  
 LeSage, Ruth  
 Love, Paul

Thornburg, Irving  
 Thornburg, Josephine  
 Tomkies, Douglas  
 Tomkies, Tony  
 Vickers, Leonard  
 Walton, Ethel  
 Walton, Porter  
 Weider, Alice  
 Whittaker, Elizabeth  
 Williamson, Nora  
 Williamson, Mary  
 Williamson, Vickers  
 Wilson, Louis

Yates, Annie

### THE TRAINING SCHOOL.

The purpose and work of the Model School has already been referred to under its own head. The school was founded for the purpose of adding practical training to the theoretical knowledge gained in class, and the results as seen in the teachers sent out from Marshall College, after such training, have fully justified its establishment. Nothing, in our estimation, takes the place of actual contact with the children. This experience, combined with the advantage gained from the direction and suggestions of the superintendent during the progress of the work, is sure to result in greatly increased skill and efficiency on the part of the young teacher.

**SCHOOL VISITING.**—All members of the Normal senior class are required to visit at least ten schools outside of our own, during the year. These visits are for the purpose of studying the work of other teachers; their methods, system, discipline, courses of study and general plan. A report of each visit is made to the superintendent of the Training Department, not with the idea of criticism, but rather in order that she may see what has been gained by the experience. Ten visits are also required in the preparatory department of our own school and a report of these visits is submitted.

**SIGHT READING IN MUSIC.**—The course in sight reading is intended to fit the student for teaching the elements of music in the public schools. At the close of the course he must have a clear idea of tone perception, must know something of the principles of deep breathing and of breath control, and must be able to pass an examination on simple technique.

He must also have at his command a good theory of teaching

which he is able to put into practice in the training of children, and must therefore be able to read simple music at sight.

**DRAWING AND COLOR WORK.**—The work under this head includes,—

1. Drawing of natural and artificial forms in the flat and from the object.
2. Illustrative drawing.
3. An understanding of color, color mixing and the matching of tones in art and nature.
4. Clay modeling of natural and artificial forms.

The requirements are:

1. A thorough understanding of the principles of drawing.
2. Knowledge of the theory of color.
3. Ability to care for and manipulate clay.
4. The power to present the subject in its various phases to grade pupils.

**SPECIAL LECTURES.**—These are divided into two classes; those purely of an academic nature and those on professional subjects. The speakers are invited by the principal and the subject named by him, on which the lectures are to be delivered, for he, after consulting with the superintendent of the training department, knows best the kind of lectures needed most. This prevents haphazardness and overdoing some themes at the expense of neglected ones.

The list of parallel readings bearing on the professional studies will be found in the booklet printed for the students and containing lists of parallel readings on all subjects in all the courses.

**ORTHOGRAPHY.**—In Orthography the requirements are:

1. Ability to pass the final test on spelling,—100 words selected from a list of 1,000.
2. Ability to pronounce, by the use of Webster's diacritics, 80 out of 100 words selected from the vocabulary of the man of average culture and education.
3. Ability to define 100 words selected from a list of 1,000.
4. A fair knowledge of words in the way of word analysis, synonyms, homonyms, and antonyms, and of vowels, consonants, mutes, liquids, and phonetics.
5. An intelligent use of words in ordinary composition.

**THE PEDAGOGY SEMINARY.**—This seminary has to do with the pedagogical work of the class. It is held each alternate Thursday from 2 to 4 p. m., and includes, in the scope of its work, school law, school administration, school supervision, courses of study, the value



of the various studies in the course, child study, moral education, school systems, the observations made by the class in their visits to the schools of the surrounding towns, cities and rural districts under the direction of the superintendent of the "training department," and all kindred subjects deemed valuable in the education of the teachers.

The discussions are opened by some member of the class who has been assigned to the task of making out a full analysis of the subject. Copies of this analysis or syllabus are prepared by this person for all members of the seminary and are distributed at the opening of the meeting. The one appointed for making out the syllabi is required to have it done in a special form on the typewriter, and he must go through the discussion, speaking not from a prepared paper, but from the notes of the syllabus only, one object being to train the class in extemporaneous speaking. He may be interrupted by permission of the superintendent, but most of the criticisms are made after the close of the leader's discussion.

The Seminary is one of the best features of the training work, especially from the standpoint of cultivating habits of research, intelligent observation and criticism, and ease, grace and brevity in oral discussion.

**THE CURRENT HISTORY SEMINARY.**—The plan of the work in this seminary is similar to that done in the pedagogy seminary except that the topics discussed are not immediately concerned with the study of pedagogy, but rather with the current events of the day.

While congress is in session and during the sittings of our state legislature, special reports are made of the doings of the legislative bodies, also of the doings of other legislative and executive bodies in this and other countries. All matters of current history deemed of such importance that they are history-making in their nature or in their effect, are noted and discussed. These topics are assigned long enough in advance to permit those preparing papers to make proper research in periodicals, books, and other sources, so that the discussion may not only be full enough but drawn from enough sources to assure accuracy. The papers are not limited to mere current events but are expected to trace causes and connections no matter how many years or centuries may be involved.

Every syllabus is accompanied with a good bibliography so that not only may the members of the seminary verify the statements submitted but may read the details if they wish.

The Current History Seminary may well be called the medium through which the senior class is put in touch with world history in the course of its transactions, put in sympathy with the movements of the world, taught to search for the facts underlying world movements, taken into account of themselves and put in touch with mankind in its broadest sense.

A thorough examination is given at the close of each year's work.

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on the history of the world for the 12 months preceding. This examination is made out by the principal to test the thoroughness with which the work of this department has been done.

It was expected that this seminary would induce wider and more intelligent reading and develop a wider field of observation for the seniors, and not only has this been the result attained, but the success of the work from other points of view has been very marked, indeed.



## NORMAL COURSE.

## PREPARATORY WORK.

Arithmetic  
Eng. Grammar  
Geography  
U. S. History  
Spelling

Arithmetic  
Eng. Grammar  
Geography  
U. S. History  
Mental Arithmetic  
Spelling

Arithmetic  
Eng. Grammar  
Physiology  
Bookkeeping  
Advanced Mental Arith.  
Spelling

## First Year.

(Oriental  
( &  
(Greek History.  
English  
Latin  
Physiography

Algebra  
English  
Latin  
Industrial Geography

Algebra  
English  
Latin  
Roman History

## Second Year.

Algebra  
English (Rhetoric  
( &  
(Literature  
Latin  
(Mediaeval  
( and  
(Modern History

Algebra  
English (Rhetoric  
( &  
(Literature  
Latin  
English History

Algebra  
English (Rhetoric  
( &  
(Literature  
Latin  
(Botany  
( or  
(Zoology.

## Junior Year.

Geometry  
English (Literature)  
History of Education  
(Civics  
( &  
(U. S. History.

Geometry  
English (Literature)  
Economics  
Commercial Geog.

Geometry  
English (Literature)  
(Geology  
( or  
(Astronomy.  
(School Sanitation  
(  
(Architecture, etc.

## Senior Year.

Chemistry  
Physics  
(Biblical History  
(Pedagogy  
(Psychology  
(School Supervision  
( &  
(Training Work.

Chemistry  
Physics  
(Pedagogy  
(Psychology  
(Sociology  
( &  
(Training Work.

(Chemistry  
( or  
(Trigonometry.  
(Physics  
( or  
(Agriculture.  
(Ethics  
(Child Study  
(Educational Psychology.  
(Methods  
( &  
(Training Work.

## PART VI.

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### ACADEMIC DEPARTMENT AND NOTES ON ALL THE COURSES OF STUDY.

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#### ANCIENT LANGUAGE COURSE.

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#### PREPARATORY WORK.

Arithmetic  
Eng. Grammar  
Geography  
U. S. History  
Spelling

Arithmetic  
Eng. Grammar  
Geography  
U. S. History  
Mental Arithmetic  
Spelling

Arithmetic  
Eng. Grammar  
Physiology  
Bookkeeping  
Advanced Mental Arith.  
Spelling

#### First Year.

Oriental  
&  
Greek History  
English  
Latin  
Physiography

Algebra  
English  
Latin  
Industrial Geography

Algebra  
English  
Latin  
Roman History.

#### Second Year.

Algebra  
(Rhetoric  
&  
(Literature.  
Latin  
or  
Greek

Algebra  
English (Rhetoric  
&  
(Literature.  
(Latin  
( or  
(Greek

Algebra  
( or  
(Zoology.  
(Rhetoric  
English ( &  
(Literature.  
(Latin  
( or  
(Greek

(Mediaeval  
( &  
(Modern History.

English History.

(Botany  
( or  
(Zoology.

### Junior Year.

Geometry

Geometry

(Geometry  
( or  
(Geology  
( or  
(Astronomy.

English (Literature)

English (Literature)

English (Literature)

(French  
( or  
(German.

(French  
( or  
(German.

(French  
( or  
(German.

(Latin  
( or  
(Greek.

(Latin  
( or  
(Greek.

(Latin  
( or  
(Greek.

### Senior Year.

(Physics  
( or  
(Chemistry

(Physics  
( or  
(Chemistry

(Physics  
( or  
(Chemistry

(French  
( or  
(German

(French  
( or  
(German

(French  
( or  
(German

(Latin  
( or  
(Greek.

(Latin  
( or  
(Greek.

(Latin  
( or  
(Greek.

Psychology

(Sociology  
( or  
(Psychology.

Ethics.

## MODERN LANGUAGE COURSE.

### PREPARATORY WORK.

Arithmetic  
Eng. Grammar  
Geography  
U. S. History  
Spelling.

Arithmetic  
Eng. Grammar  
Geography  
U. S. History  
Mental Arithmetic  
Spelling.

Arithmetic  
Eng. Grammar  
Bookkeeping  
Physiology  
Advanced Mental Ar  
Spelling.

## First Year.

|                                     |                           |                           |
|-------------------------------------|---------------------------|---------------------------|
| (Oriental<br>( &<br>(Greek History. | Algebra                   | Algebra                   |
| English                             | English                   | English                   |
| (Latin<br>( or<br>(German           | (Latin<br>( or<br>(German | (Latin<br>( or<br>(German |
| Physiography                        | Industrial Geography      | Roman History             |

## Second Year.

|                                          |                                          |                                          |
|------------------------------------------|------------------------------------------|------------------------------------------|
| Algebra                                  | Algebra                                  | Algebra                                  |
| (Rhetoric<br>English ( &<br>(Literature. | (Rhetoric<br>English ( &<br>(Literature. | (Rhetoric<br>English ( &<br>(Literature. |
| (Latin,<br>(German<br>( or<br>(French.   | (Latin,<br>(German<br>( or<br>(French.   | (Latin,<br>(German<br>( or<br>(French.   |
| (Mediaeval<br>( &<br>(Modern History.    | English History.                         | (Botany<br>( or<br>(Zoology.             |

## Junior Year.

|                                   |                                  |                                  |
|-----------------------------------|----------------------------------|----------------------------------|
| Geometry<br>English (Literature)  | Geometry<br>English (Literature) | Geometry<br>English (Literature) |
| (Civics<br>( &<br>(U. S. History. | Economics                        | (Geology<br>( or<br>(Astronomy.  |
| (German<br>( or<br>(French.       | (German<br>( or<br>(French.      | (German<br>( or<br>(French.      |

## Senior Year.

|                                 |                                 |                                 |
|---------------------------------|---------------------------------|---------------------------------|
| (Chemistry<br>( or<br>(Physics. | (Chemistry<br>( or<br>(Physics. | (Chemistry<br>( or<br>(Physics. |
| Psychology                      | Sociology                       | Ethics.                         |
| French                          | French                          | French                          |
| German.                         | German.                         | German.                         |

## SCIENCE COURSE.

## PREPARATORY WORK.

Arithmetic  
Eng. Grammar  
Geography  
U. S. History  
Spelling.

Arithmetic  
Eng. Grammar  
Geography  
U. S. History  
Mental Arithmetic  
Spelling.

Arithmetic  
Eng. Grammar  
Physiology  
Bookkeeping  
Advanced Mental Arith.  
Spelling.

## First Year.

(Oriental  
( &  
(Greek History.  
English  
(Latin  
( or  
(German.  
Physiography

Algebra  
English  
(Latin  
( or  
(German.  
Industrial Geog.

Algebra  
English  
(Latin  
( or  
(German.  
Roman History.

## Second Year.

Algebra  
(Mediaeval  
( &  
(Modern History  
(Rhetoric  
English ( &  
(Literature.  
(French,  
(German  
( or  
(Latin.

Algebra  
English History  
(Rhetoric  
English ( &  
(Literature.  
(French,  
(German  
( or  
(Latin.

Algebra  
(Botany  
( or  
(Zoology.  
(Rhetoric  
English ( &  
(Literature.  
(French,  
(German  
( or  
(Latin.

## Junior Year.

Geometry  
(Civics  
( &  
(U. S. History.  
English (Literature)  
(French  
( or  
(German.

Geometry  
Economics  
English (Literature)  
(French  
( or  
(German.

Geometry  
(Geology  
( or  
(Astronomy.  
English (Literature)  
(French  
( or  
(German.

## Senior Year.

Plane Trigonometry  
Chemistry

(Sociology  
( or  
(Spherical Trig.  
Chemistry

(Ethics  
( or  
(Analytical Geom.  
(Chemistry  
( or  
(Agriculture.

|         |          |          |
|---------|----------|----------|
| Physics | Physics  | Physics  |
| French  | (French  | (French  |
| or      | ( or     | ( or     |
| German. | (German. | (German. |

## TEACHERS REVIEW COURSE OF STUDY.

| SUBJECTS.                | TEXT BOOKS USED.                                                 | TIME SPENT. |
|--------------------------|------------------------------------------------------------------|-------------|
| Arithmetic, Written      | Any Good Book                                                    | 3 months    |
| Arithmetic, Mental       | Brooks                                                           | 3 months    |
| Bookkeeping              | New text to be chosen                                            | 3 months    |
| Civil Government         | Willoughby                                                       | 3 months    |
| Geography, Political     | Any Good Book                                                    | 3 months    |
| Geography, Physical      | Davis                                                            | 3 months    |
| Grammar*                 | (Patrick's Lessons, or<br>(Reed & Kellogg's Higher<br>( Lessons. | 3 months    |
| History, United States   | Any Good Book                                                    | 3 months    |
| History, Ancient         | Any Good Book                                                    | 3 months    |
| History, Grecian         | Any Good Book                                                    | 3 months    |
| History, Roman           | Any Good Book                                                    | 3 months    |
| History, English         | Any Good Book                                                    | 3 months    |
| Literature               | Outlines Prepared for this                                       | 3 months    |
| Map Drawing              | No Text Required                                                 | 3 months    |
| Photography              | Text Prepared by the Principal.                                  | 3 months    |
| Pennmanship              | Slanting Hand                                                    | 3 months    |
| Physiology               | Overton                                                          | 3 months    |
| Theory & Art of Teaching | White                                                            | 3 months    |



## NOTES, EXPLANATIONS, AND DETAILS CONCERNING THE COURSES OF STUDY.

A "UNIT," as used when referring to a single study, means the work in any subject for one term, (3 months), recitations coming five times per week.

If the recitations in a study come but once per week, the work in such a study covers only one-fifth unit per term, if twice per week two-fifths unit, and so on.

The class of 1907 will graduate under the old courses of study although they will be allowed a few substitutions if this can be done to their benefit, the principal reserving the right to say what substitutions may be made.

Under the new courses of study a student is permitted to substitute work of like grade done in any of the other courses or in another school of approved standing, to the number of three units, provided the principal approve of the substitution. But no substitution is permitted for Latin, English, algebra (except the last term of the Academic algebra) or geometry in the normal course, and no substitution for any of the professional subjects of the normal course will be permitted except with the approval of the superintendent of the model school and training department.

Because a subject is scheduled for a certain term, e. g., geology for the spring term only, does not mean that it is carried for the term only. As far as possible our students who are here the full year take each study during the term for which it is scheduled on the preceding pages; but new classes are organized at the opening of each term in a majority of all the subjects named in the several courses of study. This we find necessary at Marshall College for these reasons:

1. The large number of new students that enter at the opening of the winter and spring terms.

2. The number that can be here for but one term each year. Orthography, English composition, and penmanship are required in all the courses when the student is found deficient in these subjects,—which means in the vast majority of cases.

Drawing and vocal music are compulsory for at least one term in the Senior Year of the Normal Course.

### MATHEMATICS.

This course includes a total of 16 units:

|                                   |           |
|-----------------------------------|-----------|
| Milne's Advanced Arithmetic ..... | Completed |
| Brooks' Mental Arithmetic .....   | Completed |
| Milne's Elementary Algebra .....  | Completed |

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|                                                |           |
|------------------------------------------------|-----------|
| ne's Academic Algebra .....                    | Completed |
| ne's Plane, Solid and Spherical Geometry ..... | Completed |
| ntworth's Plane Trigonometry .....             | Completed |
| ntworth's Spherical Trigonometry .....         | Completed |
| lytical Geometry .....                         | Completed |
| ew Arithmetic .....                            |           |

### ENGLISH.

The English course covers 12 units:

|                                                           |           |
|-----------------------------------------------------------|-----------|
| rick's English Grammar .....                              | Completed |
| rick's Advanced Grammar .....                             | Completed |
| d & Kelloggs' Higher English .....                        | Completed |
| ckenbos's, also Lockwood and Emerson's Rhetoric .....     | Completed |
| ythorn & Lemons' American Literature .....                | Completed |
| ter's English Literature .....                            | Completed |
| lish Classics in connection with Grammar and Rhetoric     |           |
| Work .....                                                | 3 years   |
| lish Composition in connection with Grammar and           |           |
| Rhetoric .....                                            | 3 years   |
| lish Masterpieces and Composition .....                   | 1 year    |
| or and Junior Exercises .....                             |           |
| inary Drill and Practice in the Art of Extemporaneous     |           |
| Speaking .....                                            | 1 year    |
| quired Affiliation with one of the Literary Organizations |           |
| of the School .....                                       | 2 years   |
| ling, Defining, Word-Study, Word-Analysis, Diacritics,    |           |
| and Pronunciation .....                                   | 4 years   |

### SCIENCE.

The work under this head includes:

|                         |          |
|-------------------------|----------|
| siology .....           | 3 months |
| siography .....         | 3 months |
| strial Geography .....  | 3 months |
| mercial Geography ..... | 3 months |
| ny .....                | 3 months |
| gy .....                | 3 months |
| gy .....                | 3 months |
| onomy .....             | 3 months |
| istry .....             | 9 months |
| ics .....               | 9 months |
| culture .....           | 3 months |
| ology .....             | 3 months |
| omics .....             | 3 months |

|                                                 |        |
|-------------------------------------------------|--------|
| School Sanitation and School Architecture ..... | 3 mont |
| Lectures on Hygiene .....                       | 3 mont |

### HISTORY AND CIVICS.

The work in these subjects includes:

|                                         |        |
|-----------------------------------------|--------|
| U. S. History, (Preparatory Year) ..... | 6 mont |
| Oriental and Greek History .....        | 3 mont |
| Roman History .....                     | 3 mont |
| Mediaeval and Modern History .....      | 3 mont |
| English History .....                   | 3 mont |
| U. S. History and Civics .....          | 3 mont |
| Biblical History .....                  | 3 mont |

### LATIN.

The course in Latin covers four years—a total of 12 units, representing, in all, 148 weeks' work, five recitations per week, or recitations.

The 12 units of this course are known as Latin I, Latin II, Latin III, Latin IV, and so on up to and including Latin XII.

Latin I, covers the first 34 chapters of Smiley & Storke's *Beginner's Latin*, or up to the Passive voice of the verb.

Latin II, covers chapters 35 to 66 inclusive, or up to "Review of the Subjunctive Mode."

Latin III, covers the rest of the *Beginner's Book* from chapter 67 on, and the first twenty chapters, Book I, of *Caesar's Gallic War*.

Latin IV, covers the rest of Book I from chapter 20 on, also Book II, *Caesar's Gallic War*, and *Prose Composition*.

Latin V, covers Books III and IV of the *Gallic War*, and *Prose Composition*.

Latin VI, covers the first three orations of Cicero against Catiline, and *Prose Composition*.

Latin VII. Fourth oration of Cicero against Catiline, orations of the Poet Archias and Marcellus, 410 lines, Book I, *Aeneid*. *Prose Composition*.

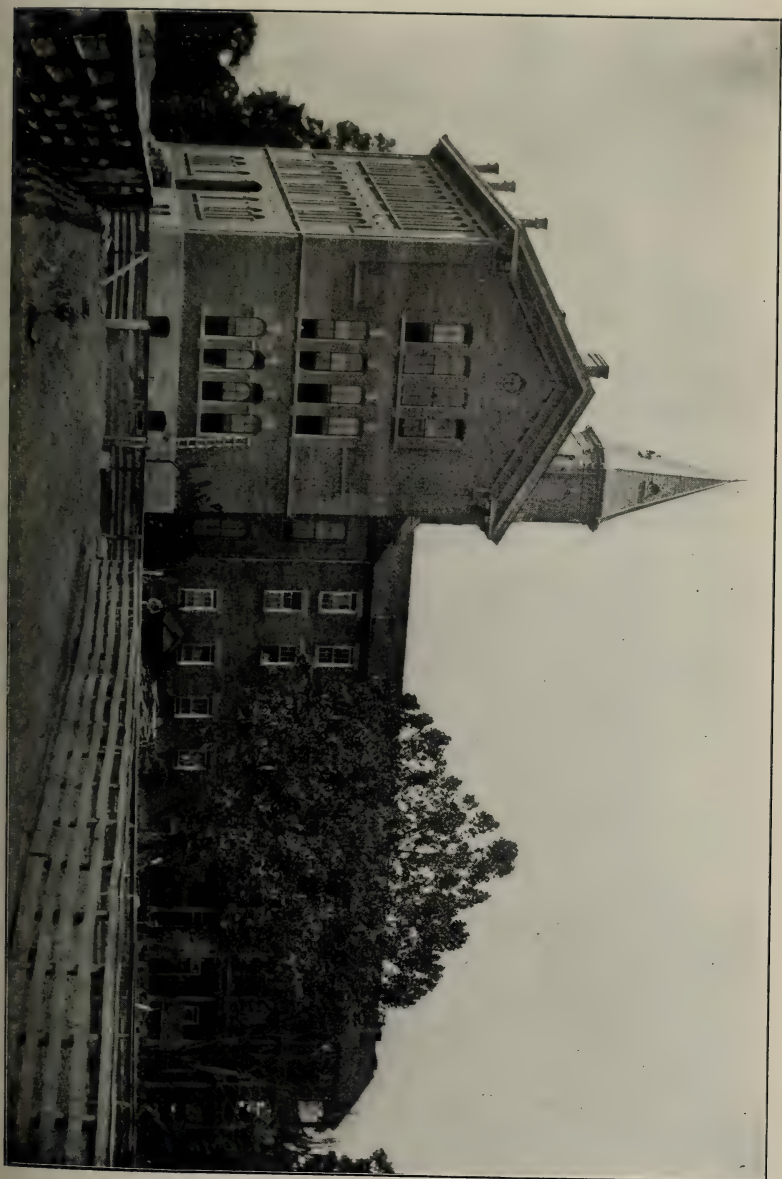
Latin VIII. Book I, *Aeneid*, completed; Books II and III.

Latin IX. Books IV, V, and VI, *Aeneid*.

Latin X. *De Amicitia* and *De Senectute*, Cicero.

Latin XI. Selected Odes, Epodes, and Satires of Horace, also *Poetica*.

Latin XII. Books XXI and XXII, Livy, at the discretion of the instructor. Selections from Tacitus, Ovid, Crowell's *Latin Boasts*, Smith's *Latin Selections* may be substituted for a part of the work indicated in Courses X, XI, and XII.







Close attention is given to the mastery of form, syntax, and vocabulary, in the belief that the student can by no other means, learn to read Latin with intelligent and pleasurable comprehension. The bearing of Latin etymology and syntax upon the English language is carefully pointed out and emphasized. This fundamental study is throughout the entire course directed toward the development of clear thought and clear expression.

### Latin Texts.

Beginner's Book,—Smiley & Storke; Caesar,—Harkness and Forbes; Cicero,—Forbes; Virgil,—Knapp; Composition,—Riggs' "In Latinum" (Caesar and Cicero); grammar,—Allen and Greenough, with references to Bennett and Harkness.

### GREEK.

The course in Greek covers a period of three years—a total of units, representing 111 weeks' work, five recitations per week.

The nine units of Greek are referred to as Greek I, II, III, and so on.

Greek I. First Greek Book, first 41 lessons.

Greek II. First Greek Book, lessons 42 to 72 inclusive.

Greek III. First Greek Book completed; Anabasis, Book I, first eight chapters.

Greek IV. Book I completed; Book II, Selections from New Testament. Prose, Composition.

Greek V. Book III, Anabasis; Book I, Iliad. Prose Composition.

Greek VI. Books II and III, with selections from Book VI, Iliad. Prose Composition.

Greek VII. Selections from Lysias and the Minor Poets. Prose Composition.

Greek VIII. Selections from Herodotus, Thucydides, and Xenophon's Memorabilia. Prose Composition.

Greek IX. Plato, Apology and Crito.

Throughout the entire course the relation between the Greek and English languages is strongly emphasized. There is a constant effort to show to the student the literary and historic value of the works of classic authors. The best maps and pictures supplement the work. In addition to the prescribed readings, constant reference is made to the many valuable books in the library, well adapted for parallel reading and investigation.

The work of this department is thoroughly practical, since it not only prepares for College Greek, but gives to the careful student ease, accuracy, and variety of expression, as well as broad mental culture.



### GERMAN.

The course in German covers three years.

The first three months are given up almost exclusively to a mastery of the elements of pronunciation, accent, declension, conjugation, simple forms of construction, and to acquiring a working vocabulary in simple conversation and reading.

With the opening of the second term German stories are taken up, also composition and grammar work.

The work of the third term is similar to that of the second except that the German stories are a little heavier.

The work of the second and third years consists of reading classic stories, dramas, poetry, and masterpieces from Goethe, Schiller, Heine and other leading German writers. Composition is kept up throughout these two years. The idioms of the language are studied with special pains, and much time is given to conversation. In the advanced work German is used exclusively by teacher and students in class.

Technical grammar is kept up in connection with the work in composition.

Lists of the readings in this course are not given because they are varied from year to year, and are not decided upon till the need and aptness for the language, of the classes, are known.

Whitney, Cooks, Otto, Joynes-Meissner, and other standard grammars are used, Gaspey-Otto-Sauer serving as the standard.

### FRENCH.

The course in French covers three years and the work is done on the same plan as the work in German.

Conversational work, composition and grammar, as in German, receive very careful attention throughout the course, especially in the higher classes.

Sight reading receives liberal attention also in the advanced classes, both in French and in German.

The readings in this course are selected after the same manner as are those in the German course, and from like sources.

### PROFESSIONAL SUBJECTS.

|                                          |          |
|------------------------------------------|----------|
| History of Education .....               | 3 months |
| Economics .....                          | 3 months |
| School Sanitation and Architecture ..... | 3 months |
| Biblical History (Once a week) .....     | 3 months |
| Pedagogy .....                           | 3 months |
| Psychology .....                         | 3 months |
| School Supervision .....                 | 3 months |

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|                                            |          |
|--------------------------------------------|----------|
| Sociology .....                            | 3 months |
| Methods of Teaching .....                  | 3 months |
| Ethics (three times a week) .....          | 3 months |
| Child Study (Once a week) .....            | 3 months |
| Educational Psychology (once a week) ..... | 3 months |
| Training Work .....                        | 9 months |

### EXAMINATIONS.

At the close of the long term—our fall term—we usually set apart an entire week for examinations and when we do so they are compulsory; that is, no student can continue his work during any succeeding term till he has passed his examinations. The only excuse we have yet accepted was that of continued and severe illness, in which case a certificate or verbal report from the physician who attended the student was necessary. There might be other extreme cases in which excuses from examination could be obtained; most rules are subject to some exceptions; but if a student expect to continue work here or anywhere else it would be to his advantage to pass his examinations; and if he refuse to do so without justifiable excuse he will not only be denied a special examination but will be dropped from the school.

We sometimes devote a week at the close of each of the three terms to examinations, and would always were it not for the following conditions that exist here:

1. Students—chiefly teachers from the rural districts whose schools close before our spring term opens—enter at all times during our winter term in order that they may get more than one term per year. Many of these enter so late in the term that they are not prepared to take the winter term examinations and if the closing week of the term be given up to examinations these students who entered late and a week wherein there are no recitations—almost lost time to them here on expense. Accordingly we usually have our winter term examinations in the form of frequent class tests. By this means those who enter late may pass the tests on those parts of the texts which they have taken up after entering and are accommodated with class work—recitations—up to the very last day of the term. And since there is no vacation between the winter and spring term, at least only two school days, Friday and Monday, students entering before the close of the winter term may continue their work uninterruptedly to the end of the spring term.

2. The spring term is the term which is most largely attended by the teachers of the state, and as their time here is brief at most and since they wish to do as much work as possible, we usually have

our spring term examinations in the form of class tests during the term and continue recitations up to the very last of the term.

To get one's credits for work during a term when examinations are given in the form of class tests it is absolutely necessary that the student stay till the close of the term; otherwise his name is not entered on the credit list nor on the grade book of the school and no report is sent to his parents unless the principal write a personal statement as to the general character of the work done. It is, therefore, of the very highest importance that the student study till the close of the term, for sometime, somewhere, in some way, either here or elsewhere, he will very much need his credits. Not a year passes but a number of young men and women who dropped out of the school before the term closed find themselves in serious need of a statement from the principal, of the work they did here, and write us for the same. It is a great disappointment to them to find there is no credit here.

In case a student is very sick and we have proper assurance that he or she is too sick to remain in school, the cause for his withdrawal is recorded and a general statement of the amount of work done can be gotten at any time, but no grades can be given.

In case a student drops out of school out of pure laziness or a few childish pains or other ailments of some kind, no record whatever is kept of his work. He usually does not do the kind of work that amounts to enough to record it.

The student will please to remember that if he wish credit for work done here, his attendance must be regular and continue to the very close of the term except in extreme cases, and the faculty must judge as to what cases are extreme.

It may be well to remind new students who enter here that class attendance is compulsory; that every absence from class is investigated; that absence from class without an excuse which we can accept will be punished with expulsion if persisted in; that when they arrive in Huntington they must enroll at once and proceed to work; that any student found lounging about the city after arriving is liable to be sent home summarily; that the instructors of the school meet every afternoon at 2:00 and go over the entire list of students and know just who are absent and whether absent the entire day; that the cause for absence is almost surely investigated; that when once here a student must be in school and must be here regularly and promptly unless his excuse will bear investigation; that we want no students who do not come here to work; and that we propose to get rid of those who will not work.

Attending school is a business here, not a pastime.

## GRADUATION.

A diploma of graduation is conferred on all who complete either the Normal, Science, Modern Language or Ancient Language course, with an average per cent of 80, and do not fall below 75 on any subject.

No one is permitted to graduate, however, who has not spent at least one full year at the normal from which he wishes his diploma, and the "full year" must be either the Junior or the Senior year.

We caution young people about getting in a hurry about graduating. Go slowly, do much reading outside your course, do not carry very heavy work, take part in the social life of the school, take time to take care of your health, always take light enough work to have some time for recreation, and especially guard against carrying more work than can be well done without injuring the health. Take what work you can do thoroughly well and you will like it better, will like school better, it will like you better, and you and it will get very much more out of each other.

Make haste slowly and do your work well, thoroughly well. Get all possible out of your school life that can be of value to you afterward.

A much greater honor is it to graduate than most persons realize, and vastly more to the credit of those who do so. Graduation means hard, persistent, continuous, systematic labor; it means courage, determination, order, system; it means doing, completing something valuable and noble; and men and women who do and complete things, valuable, useful things, are the men and the women needed most in the world.

To have it said of a young man or young woman, indeed a man or woman of any age, that he or she has graduated at a school of standing in a city, community, county or state, is to have one victory recorded to his or her credit which cannot but be worth vastly more than it cost.

Immediately after the opening of the fall term, each year, the "Committee on Graduation" takes up the record of each candidate for graduation, checks up his record, and reports to him within two weeks of the opening of said term what his standing is. If any one is found to have more than 16 units against him at that time he is notified that he cannot graduate that year, for no one with more than 16 units to make for the year is admitted to the senior class at the opening of the fall term.

The "senior roll" is made up at the close of the fall term. At that time every candidate who has been admitted on trial at the opening of the fall term is entered on the senior roll or is dropped finally from the class for that year.



The "senior roll" is called in full faculty meeting four weeks before commencement day. If, at this roll call, any member of the class is found below the "danger line" he is promptly notified by the secretary of the faculty and thus is given one week to "set himself right" in his credits; at the end of this week the "final senior roll" is called and the result is reported to the president of the class and to the program committees for commencement.

No one could sympathize more truly or more deeply with a worthy young person who is ambitious to graduate than the faculty of this school; but all ambition must be founded in reason, and every graduation should presuppose thoroughness. Graduation must have a meaning besides the sentimental and the pleasure phases that very properly attach to it, and this additional meaning,—its conditions fully complied with—must be respected and fulfilled if the sentimental and pleasurable phases are to maintain their significance.

Our graduates are to be congratulated, as is their alma mater as well, on the success that has been and continues to be the lot of most of them.

Many of them have continued their studies to the completion of some degree, most of these choosing high class institutions for completing their degree courses. We are sorry some of them are choosing medical schools which are scarcely up to the standard either in the amount or in the character of the work required, but economy has been an item with them. We hope however, that they may remember that a cheap degree is little better than no degree at all in recent years, and that where they finish their education means almost as much as how they finish it, at least so with the better informed part of the public. But no matter where they go, good, hard, persistent, patient thorough effort will bring its rewards.

Our young men are drifting pretty largely into teaching, and are beginning work therein immediately after graduating here, at \$60 to \$90 per month, a few higher in the salary scale, some lower, but all of them climbing.

Our young women are getting positions at \$45 to \$65 per month, as a rule, practically all of them nine months per session.

Good reports are coming from nearly all of them.

We caution both young men and young women about a vain ambition to "graduate young." This means loss of thoroughness, for much that is in our normal course requires maturity of mind to grasp it intelligently. Besides, the public is looking for men and women, not for boys and girls, to fill paying positions.

Some students who enroll with us seem embarrassed when we ask their ages, simply because they are beyond 21, some of them above 30. We are always pleased to enroll a mature student. It means, first, as a rule, some one who knows what he is here for, who will be a "worker," who will add to the dignity of the school, who

will need no disciplines; second, it usually means some one with experience in teaching, or some other valuable experience, and hence some one whom we can recommend for a good position when graduated, all things else being equal.

Younger students need not rush to complete their course; much time should be given to reading, for our library opportunities are rare, and a good share to the social life of the school, the literary work, etc. It really is a mistake to ever carry over four regular studies. When we hear some egotistic student boasting of how many studies he is carrying just because the number is "great," and often adding that he does not have to work hard, our opinion of said boaster goes down several degrees at once. It is a pretty sure sign of a "soft place" about the capital extremity, and a pretty good indication that some one is shirking, skimping, or borrowing, if not stealing. It would be vastly more to his credit and to the credit of the school if his remarks were concerning how few studies he was carrying and how hard he was working on each.

Each year we find that men of influence, indeed the public in general, attaches more importance to young persons graduating in some good school before they enter any business, trade, or profession. More and more we find employers of labor referring with pride to certain of their men being graduates of a good school.

Each year graduation means more to young people, more to those who employ young people, more to the public in general, more to the state, and more to American institutions.

Just one time in his or her life will the man and the woman of coming years regret that he or she has not graduated from some good school offering a good, strong, general course of study which equips one with a good general education; just once, we say, and that once will be all the remainder of his or her life.

Graduate in such a school before the age of 25 if you can, if you can't, then some time, if it be after the age of 40.

We congratulate sincerely and heartily every young man who has enough regard for the needs and duties of citizenship in this Republic, enough appreciation of himself in the way of developing and training his mind, enough love of country and respect for its needs in every department of its workings from the humblest laborer to the President of the United States, enough esteem and consideration for the woman he is to call his bride and the offsprings he may bequeath to a country that needs clean, honest, cultivated, educated and industrious citizenship as none other has in all history, enough feelings and sentiments of these kinds we repeat, to educate himself and to graduate from a good school of general education whether he has money or not, for there is a way if only a will can be found.

With equal heartiness do we congratulate the young woman who is willing to deny herself some of the finer but lighter pleasures of



life, who believes in hard study as an indispensable training mentally and morally, who has good sense and good judgment enough to know that education, a good general education, is just as necessary for one human being as another, regardless of sex, who has enough pride and ambition to prepare for the best there is in life for herself, her we sincerely and earnestly congratulate on her determination to graduate.

To such young men and such young women we cheerfully tip the hat and pay due honor otherwise, for they are the best hope of the race, the power that is to enthrone reason as against the mob, the individuals that are to shape and to direct the destinies of the American Republic.

No man and no woman in his or her right mind ever regretted that he or she had graduated from a good school offering a good general education, but hundreds, thousands, millions have regretted that they did not graduate, are still regretting it, always will regret it.

More: No person who has acquired a good knowledge of Latin, Greek, German, French or any other language, any science, or any other of the chief studies in our schools ever felt otherwise than that he would take them again if it were to do over again.

No sensible man ever regretted learning anything that puts him in closer touch with man, ancient or modern, with nature in any of her manifold forms of manifesting herself, with the lower animals with any part of this universe of space and matter, and with the great Author of them all, for the more intimate man becomes with all these, the more sympathetic he becomes, the wiser, the nobler, the more like unto Him who came from humble life in humble Nazareth to illustrate what knowledge of the world, of men, and of God meaneth to the individual man,—the only means by which he can rise to the stature, and dignity, and worth, and likeness of Him, whom knowledge is complete, the One omniscient.

## PART VII.

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### MUSIC DEPARTMENT.

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This department has kept apace with the general growth of the school. It has not only assumed decidedly creditable proportions in point of enrollment, but has become a very potent influence on the life and character of the school, an important and decidedly valuable feature of the success of the entire institution.

Music has become, as it should, a part of the very warp and woof of Marshall College life, and has put the school in closer touch with the city of Huntington and the state than could have been possible otherwise. This is but natural; for the school that does not have music in its soul, and does not in some way appeal to the musical in other men's souls, is essentially as lacking in complete life as is the individual, and Shakespeare has described the latter in very strong terms—perhaps a little too strong—in his “Merchant of Venice,” act scene I:

“The man that hath no music in himself,  
Nor is not moved with concord of sweet sounds,  
Is fit for treasons, stratagems, and spoils;  
The motions of his spirit are dull as night,  
And his affections dark as Erebus:  
Let no such man be trusted.”

#### MUSIC FACULTY.

L. J. Corbly,  
Principal.

Miss Rhoda Crumrine,  
Head Teacher in Piano.

Mrs. C. E. Haworth,  
Voice, and Choir Music.

Miss Grace Cummings,  
Sight Reading and Choral Work.

Miss Mary Sharp,  
Assistant in Piano and Organ.

Bertha Roth Walburn,  
Violin.

Helen Randall,  
Second Assistant in Piano.

### EQUIPMENT.

Lack of room to comfortably house the music department has been more or less a source of embarrassment heretofore, but with the addition of our new and commodious building ample space will be set apart for this work, thus adding decidedly to its efficiency and beyond question, to its influence both upon the school and upon the community, as well as to the patronage of the department.

In the studios and practice rooms of this department are placed for the benefit of students of music, the following instruments:

|                        |    |
|------------------------|----|
| Practice Clavier ..... | 1  |
| Organs .....           | 2  |
| Pianos .....           | 9  |
| Band Instruments ..... | 16 |

### PIANO.

#### COURSE OF STUDY.

The course of study has been extended from four to five grades so that graduates from this division may stand the test of criticism when compared with the work done in still more pretentious schools than ours. The following is the course which will be in force hereafter:

#### Grade I.

Emery's Foundation Studies, Lynes' Advancement Studies, Gurlitt First Lessons, Gurlitt Opus 187, Little pieces, (selected).

#### Grade II.

Studies by Czerny, Heller, Loeschhorn, and Krause, Kunz, Canon.

Chumann Album for the Young, Clementi's Sonatinas, Compositions selected to the need of the pupil.

### Grade III.

Czerny's Forty Daily Studies, Emery or Turner Octave Studies, Kullak's Octave Studies, Bach's Little Preludes and Fugues, Bach's Two Part Inventions, Mendelssohn's Songs without Words, Sonatas by Mozart and Haydn. Selected compositions.

### Grade IV.

Moscheles Op. 70; Kullak's Octave Books II and III, Clementi's Gradus ad Parnassum, Bach's French Suites and Three Part Inventions, Chopin's Nocturnes, Easier Sonatas by Beethoven. Selected compositions.

### Grade V.

Bach's "Well Tempered Clavichord," the Greater Sonatas of Beethoven, Studies by Chopin, Henselt, and Liszt, Tausig's "Daily Exercises." Concertos by Masters of the Classic, Romantic, and Modern Schools. Composition by Schubert, Weber, Chopin, Grieg, Pioszkowski, and others.

## REQUIREMENTS FOR CERTIFICATES AND DIPLOMAS.

Elementary Work in Harmony and in the History of Music are required as a part of the work of the **Third Grade**.

Students completing the **Fourth Grade** will be awarded a certificate.

Candidates for diplomas must complete the work of the **five** grades and must take also advanced work in Harmony, Theory and the History of Music. They are also required to give in public, entirely from memory, a recital consisting of only the best standard piano selections.

## FEES,—PIANO AND ORGAN.

All fees are payable by the term, in advance. The rates for lessons differ according to whether given by the head teacher piano or by an assistant.

### Head Teacher's Rates:

|                   |         |
|-------------------|---------|
| Fall Term .....   | \$18.00 |
| Winter Term ..... | 14.00   |

Spring Term ..... 15.00

#### Assistant Teacher's Rates:

Fall Term .....\$17.00  
 Winter Term ..... 13.00  
 Spring Term ..... 14.00

#### Charges for Piano Practice:

Charges for the use of pianos and organs for practice between lessons, depends, of course, upon the number of hours pupils practice per day:

Per Term—1 hour per day, in advance, .....\$2.00  
 2 " " " " " ..... 3.00  
 3 " " " " " ..... 4.00  
 4 " " " " " ..... 5.00  
 5 " " " " " ..... 6.00  
 6 " " " " " ..... 7.00

Students wishing to pay their practice fee for the full year in advance, will be given 10 per cent. discount from the "in advance" rates, making them \$1.80, \$2.70, \$3.60, \$4.50, \$5.40, and \$6.30.

The difference in the charges for music lessons per term, fall, winter, and spring, is due to the fact that the fall term is about fifteen weeks in length, while the winter term is but ten weeks in length and the spring term, eleven weeks. Heretofore not the entire time of the fall term has been given to the work in music; hereafter the work in music will be begun at the opening of the term and continued till the close of it, hence the difference in the charges for the term.

#### FEES FOR HARMONY, THEORY, AND HISTORY OF MUSIC.

The fee for each of these subjects is as follows:

Fall Term .....\$6.00  
 Winter Term ..... 4.00  
 Spring Term ..... 5.00

If there be fewer than eight in the class the periods will be half an hour in length.

If there be eight or more in class the periods will be one hour in length. The reason for this difference is evident; for the additional income justifies the additional time given to the recitation.

All fees are payable in advance at the opening of each term unless special arrangements are made with the principal of the department, to the contrary.

Students wishing to pay their music tuition for the full year in advance will be allowed a discount of "ten per cent."



**ORGAN.**

The charges for private lessons on the organ are the same as those for piano and also the fees for practice are the same.

**VIOLIN.**

Lessons on this instrument will be given by our regular teacher the rate of

—70 Cents Per Lesson—

Two lessons per week; if fewer than two lessons per week are given the rate is—

—75 Cents Per Lesson—

Lessons on the Mandolin and Guitar will be given at reasonable rates.

**VOICE.****COURSE OF STUDY.****First Year.**

Placing of tones.

Studies from best composers.

English and German Ballads.

Elements of Church Music.

Sight-reading and Part Singing.

**Second Year.**

Studies from best composers.

Songs by modern composers.

Church music.

**Third Year.**

Studies from best composers.

Oratorio and Opera.

Songs by classical composers.

Normal Training.

Practice of accompaniment.

Harmony and theory.

History of music.

**CLASSES IN SIGHT READING:**—In these classes students are



taught the intervals by the use of numerals, thorough understanding of time, rhythm, accent, and such other features of vocal music will give them an intelligent grasp of the fundamentals of our vocal culture, and will qualify them for singing ordinary music with sight and for teaching it to others.

This work includes the normal course of music in the model department and the instruction given to the senior class of the teacher training department,—teachers and prospective teachers.

**CHORAL CLUB:**—The object of this work is to train all students who are interested in vocal music to sing to accurate time under director, to familiarize them with the best hymns and songs, to prepare the young men for their glee club work and the student body for chapel singing. Some anthem work is done, also.

The Choral Class is a very effective influence in developing good chapel music and in diffusing a music spirit throughout the school.

**CHOIR SINGING:**—Only those students whose voices and vocal training come up to a certain standard of excellence are admitted to the class in choir singing. The object of the work of this class is to have a good choir for our chapel exercises which serves not only as a lead in the chapel singing, but which spends quite an amount of time in choir practice preparing anthems for chapel and other public occasions and gives some time to hymn singing, as well, responses, etc. The training a student gets in this work abundantly repays him for the time spent, and the choir is a very potent influence in giving interest, dignity, and inspiration to our chapel worship.

**PRIVATE LESSONS:**—This work, as well as all the rest of the vocal work, is under the management and direction of an exceptionally competent, gifted, and well trained vocalist, who has the ability in a remarkable degree to do what her profession stands for as well as to teach that rare art.

Voice placement is perhaps the form in which her work shows to best advantage, aside from her own singing, and certainly nothing is so important in the training of the human voice in song.

**EXPENSES:**—No charges are made to either "The Class in Sight Reading," "The Class in Choir Singing," or "The Choral Class."

The charges for "Private Lessons" in voice are:

|                   |         |
|-------------------|---------|
| Fall Term .....   | \$18.00 |
| Winter Term ..... | 14.00   |
| Spring Term ..... | 15.00   |

Tuition is payable at the opening of each term. If paid for a full year in advance, a discount of \$4.00 is made from the \$44.00 making the amount even \$40.00 for the year.

## VOCAL AND PIANO RECITALS.

One of the most enjoyable and profitable features of the Music Department consists in the Recitals given by students and teachers. Class room recitals are held once every month, to which all music students are invited. Even young pupils, not far advanced, are given something to do on these programs as soon as practicable. Three important ends are served by these recitals:

First, they are a source of pleasure and encouragement to the students, thus increasing their interest.

Second, young and timid or self conscious pupils improve greatly their ability to perform before listeners.

Third, a wholesome spirit of emulation incites to greater effort.

Besides these class room recitals, it is our plan to have three public recitals during the year, in which only the advanced pupils and teachers take part.

Each year these recitals grow more popular with the public and audiences grow larger. During the session of 1905-06 the large commencement hall was practically filled on each occasion of these recitals.

## A WORD TO THE CARELESS.

**NO TUITION WILL BE RETURNED** except in cases of severe illness when the student has to leave school for the year. Otherwise the lessons lost during sickness will be made up to the student instead of returning the fees. "Sickness" here, means "sickness," not headache."

**PLEASE TO REMEMBER**, that those students of voice or of piano and organ who are absent from regular lessons simply to suit their conveniences for visiting, receiving visitors, or other interferences with regular work which are quite too common with more than a few, need expect no allowances at the end of the term for their absences nor any lessons made up to them. This is a thing quite unknown in well organized schools of any kind, and it is unknown here.

If a student be unable to take a lesson at the time appointed, that hour is lost to the teacher. It has been difficult to arrange hours enough during the past year and we can afford to lose none by a student's indifference, carelessness or petty "illness."

When an absence is absolutely unavoidable—and the teacher must use her judgment as to this—the student may, by promptly reporting the matter, have that hour made up, but that will depend altogether on how scarce spare hours are and the cause of the absence. In well

organized schools of all kinds there is a time for such recitation and **BUT ONE TIME.** Emergency alone can modify this.

A college charges tuition. A student may miss one-third or more of his time out of necessity, or he may miss two-thirds, three-fourth or even all of it out of indifference or carelessness; **not one dollar and not one recitation is made up to him.**

Hereafter the music department is to be conducted on exactly the same plan as the rest of the work of this school, namely, all fees and tuitions will be paid in advance, the work will be appointed to each student, and if he is not there at the time it will be his loss.

### SPECIAL RATES.

Special rates will be made in the following cases:

1. When more than one person from the same family takes work in either piano or voice, full time.

2. When a student takes both vocal and piano work, full time. By "full time," is meant "full terms."

Instead of charging so much per term of twenty-four lessons heretofore, the charges will hereafter be so much per term, and the lessons per week are given. The number of lessons per term varies from 22 to 26 lessons. Whether the pupil enters early or late, the charges are the same, unless the lateness be absolutely unavoidable.

### AWARDS.

The "Crumrine award," offered annually by Miss Crumrine, head instructor in the piano and organ department, is given, at the close of each year, to the student who excels in playing the classics, \$18.

This award is given in the form of free tuition.

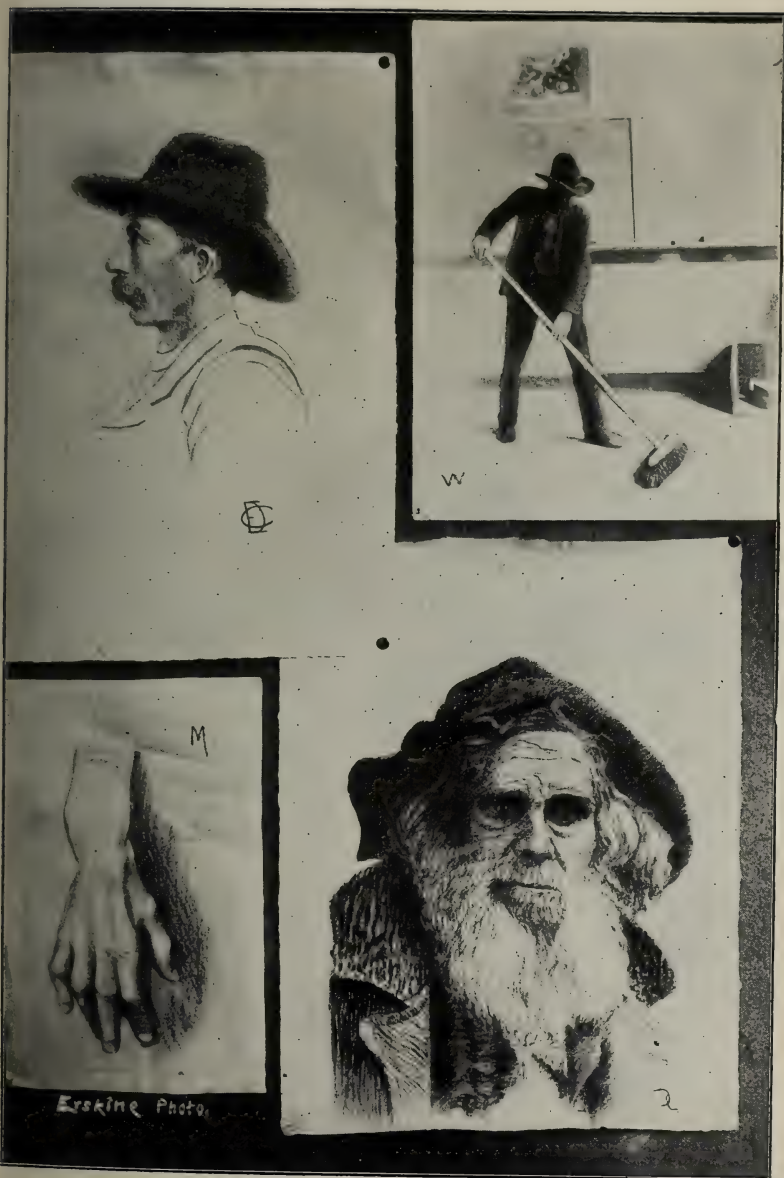
The "Beethoven award," offered annually hereafter by L. J. Corbly, as a means of encouraging the study of the history of music and the biography of musicians, a gold piece, \$10. An examination in these subjects will be given the contestants for this prize early in May, and will be open only to students of the music department, instrumental and vocal, and only to those taking music "full time" the entire year.

The "Mozart award," offered by L. J. Corbly, to the student in the music department who excels in the following lines:

1. Attendance and Promptness to music lessons.

2. Progress in music studies.

3. General decorum as a student. In short, to the best all-round music student. This award will be a \$5.00 gold piece and will be given only to students who are in the music department the entire year.



IN THE ART STUDIO





## PART VIII.

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### DEPARTMENT OF EXPRESSION.

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**EXPRESSION** includes the study of thought, the development of feeling, and the power to express the same in such manner that the audience will think, see and feel, as the speaker or reader. To gain this power, the study of different selections has been taken up. The picture is suggested to the student's mind in such a way that he can grasp the thought, and by placing emphasis on the important idea—the new thing presented, can convey the correct meaning. In this line of work, much time and attention have been given to the study of emphasis and words, phrases and sentences, pauses and inflection.

Voice training for the speaking voice is very important in the study of elocution. Special attention is given to this part of the work, for to be an orator, or reader, or for conversation, a well cultivated voice is necessary. The voice must be clear, strong, smooth, durable and must possess the power of changing from one pitch to another, so as to keep in harmony with the thought. For this voice development and culture a number of practical exercises have been given for development and strengthening the muscles at the waist, at the same time strengthening the lungs and adding vigor to the body, which renders it capable of greater powers of endurance; also giving vigor and energy of speech. Holding muscles firm while counting, also walking practice for breathing, repeating one or a number of lines, holding muscles firm, all assist in voice production and give necessary action of diaphragm. Vocal drill is given for fullness, depth and purity of tone, opening throat and rounding lips and pronouncing open vowel sounds to produce full round vibratory tones. Also scale practice for climax and transition, rising and falling tones and upward emphatic movement of the voice for pitch.

In the study of reading two things make up the work of the reader. First: Grasp the thought at a glance, see and study the idea



until it becomes a real picture to his own mind. Second: To express it to his auditors with power and feeling that come with careful thought. Following out this rule the study of reading has been made very interesting. In gesture, negative and positive positions of body, head, hand; also facial expression—all portraying the thought.

It is the aim in the work to remove faults and mannerisms, and to establish correct use, freedom and ease; to give the student control of the organs of expression. Curry's Classics for Vocal Expression is the text used.

These texts contain selections from the works of Shakespeare, Milton, Browning, Tennyson, Wordsworth, Scott, Byron, Shelly, Keats, Burns, Goldsmith, Moore, Bryant, Longfellow, Whittier, Holmes, Lanier, Trowbridge, Hugo, Eliot, Dickens, Macaulay, Carlyle, Burke, Emerson, Prescott, Irving, Cooper, Beecher, Webster, Phillips and others.

For the completion of the Evolution of Expression, which requires from four to five terms of work, certificates will be awarded.

More advanced work will be given to those who desire it.

A course for graduation has been arranged for, and students will be prepared to take advanced standing at Emerson College.

The study of one or more of Shakespeare's plays each year will be made a feature of the work.

**TUITION:**—\$15 per term. This includes two private lessons each week, and one or two class lessons per week.

For prizes offered in this department see Part XII.

## PART IX.

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### ART.

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It is through the study of art that a person reaches the height of culture. Art teaches the student to see nature's blended effects and appreciate the subtle beauties that are shut out from all except her own chosen devotees.

Art links man's mind to his surroundings and unfolds to him their many relations.

Art should stimulate and cultivate power, taste and appreciation, and to this end the work is developed in the special, normal and model classes.

The general lines of work now almost universally followed are five in number, viz:

1. Nature drawing.
2. Color.
3. Pictorial drawing.
4. Structural drawing.
5. Decorative drawing.

The drawings are developed first, with pencil and brush and ink on an outline and silhouette; second, in value (light and shade); third, in color, in flat tones, colored crayons and water color; fourth, in graded tones.

Drawing, developed in an orderly way, requires a consideration first of position, that is, where the object or objects are to rest in the picture, plain or on the paper, including the simple laws of perspective; second, a consideration of the comparative size and proportion of things; third, shape.

The specific outline of fine color discrimination is developed, first, through recognition of the spectrum colors; second, through the various hues, values and intensities; third, by using these tones in representation and design.

### SPECIAL COURSE IN ART.

This course offers an exceptional opportunity to those who wish to turn their attention in this direction for the sake of the cultural value, for the purpose of becoming artists or with the idea of training as special art teachers in public schools. In addition to the above special courses are taught in drawing from the antique and from life and in landscape composition.

#### Normal Course.

The course for the normal classes will be a modification of the above, to suit time and conditions, with the addition of clay modeling and the principle of teaching drawing.

#### Model Grades.

The work in the grades should be a modification of the normal course, simplified for each grade, beginning with the first, where the requirement is expression of ideas and neatness of execution.

#### TUITION.

|                                        |         |
|----------------------------------------|---------|
| Model grades, .....                    | Free.   |
| Normal class, .....                    | Free.   |
| Special Day class, per term, .....     | \$15.00 |
| Special Night class, per term, .....   | 8.00    |
| Special Day and Night, per term, ..... | 18.00   |

These rates include both the enrollment fees and tuition for the department. In case students have already paid their enrollment fee in order to enter some other department, that amount will be deducted from the above tuition.

See Part XII for prizes offered in this department.

For further particulars address the head of the department.

## PART X.

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### EXPENSES.

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#### I. BOARD.

Board, as spoken of here, includes room, light, fuel, and food. In the case of club board the room is furnished and cared for by the family from whom the students rent the rooms; in the case of private board this is also true; in College Hall the girls furnish their towels, soap, and bedding except the mattress; all other things are furnished by the student.

The figures given below are taken from the actual cost for the last year, 1905-'06. Unless there should be crop failures or some other causes for advancing the price of foods, of which we do not now know, the figures given below should not vary for the coming session.

By a "month" below is meant "four weeks."

The School Year, from early September to the middle of June, covers a period of forty weeks, including the Christmas holidays, and is divided into three terms.

The Fall Term, extending from the September opening to the Christmas holidays, varies, according to the earliness or lateness of the opening from  $13\frac{1}{2}$  to  $14\frac{1}{2}$  weeks.

The Winter Term, extending from the opening after New Year to the latter part of March, varies in length from  $10\frac{1}{2}$  to 12 weeks.

The Spring Term, extending from late March to the June commencement, varies from 12 to 13 weeks.

#### Board Per Month.

|                           |                    |
|---------------------------|--------------------|
| In Clubs .....            | \$10.00 to \$10.75 |
| In College Hall .....     | 11.25 to 11.50     |
| In Private Families ..... | 12.00 to 14.00     |

**Board Per Term.**

Since the terms vary in length from **eleven** to **fifteen** weeks of course the cost per term varies accordingly. So we give the terms separate.

**(1). Fall Term.**

|                     |                    |
|---------------------|--------------------|
| Club Board .....    | \$35.00 to \$37.50 |
| College Hall .....  | 39.00 to 40.00     |
| Private Board ..... | 42.00 to 49.00     |

**(2). Winter Term.**

|                     |                    |
|---------------------|--------------------|
| Club Board .....    | \$25.00 to \$26.75 |
| College Hall .....  | 28.00 to 28.75     |
| Private Board ..... | 30.00 to 35.00     |

**(3). Spring Term.**

|                     |                    |
|---------------------|--------------------|
| Club Board .....    | \$27.50 to \$29.50 |
| College Hall .....  | 30.75 to 31.50     |
| Private Board ..... | 33.00 to 38.50     |

**Board Per School Year.**

|                     |                      |
|---------------------|----------------------|
| Club Board .....    | \$ 87.50 to \$ 93.75 |
| College Hall .....  | 97.75 to 100.25      |
| Private Board ..... | 105.50 to 122.50     |

**II. BOOKS.**

This item is a small one. The school has its own book-store and sells new books to students 10 per cent below cost in general book stores. Second hand books are kept for sale also, the custom being that when a student has completed a text book he may leave it with the college book-store manager for sale, the price depending of course on how well the book has been cared for, but varies from 20 to 75 per cent of the original cost. As soon as such second hand book is sold the amount realized therefor is handed to the original owner, and if he has gone home in the meantime, the amount is forwarded to him.

With these opportunities for getting new books at reduced price selling books no longer needed, and buying second hand books, the book bill of our students is less than at any other school which does



not have these facilities. The cost of books to a student depends therefore:

- (1). On whether he wishes to sell any of his books already used.
- (2). On whether he buys new or second hand books.
- (3). On whether he is in our lower, intermediate, or higher grades, the cost of the higher grade books, such as the sciences, languages, etc., being considerably more than the cost of the books used in our lower grades.

About \$3.00 is the average annual cost for books in our lower grades, and about \$6.00 in the higher grades.

### III. ENROLLMENT.

To all students this fee is \$2.00 per term, payable when the student enrolls, and is never refunded. It is charged all students alike, whether from West Virginia or from another state, and is the only fee West Virginia students pay—\$2.00 per term, or \$6.00 per year—except in cases where they fail to make their term average of 70 per cent, see next section, under tuition.

### IV. TUITION.

No tuition is charged West Virginia students except in the following instances:

- (1). When a student fails to make an average of 70 per cent in all his studies as is shown by his report at the end of any term he is required to pay tuition at the rate of \$6.00 per term till his grades at the close of a term show a general average of 70 per cent, in which case he is excused from paying tuition for the following term, and till his general average falls below 70 per cent again. This rule is regularly enforced and catches a few doless students every term. For example: Mary Morton is studying algebra, grammar, history of Greece, and physical geography, during the fall term. At the close of that term in December the report shows that Miss Morton has made 74 per cent in algebra, 60 per cent in grammar, 80 per cent in Greek history, and 62 per cent in physical geography. Adding these grades and dividing by four, the number of studies carried, we have: 74 plus 60 plus 80 plus 62, equals 276; and 276 divided by 4, equals 69 per cent, or one per cent below the required average of 70. Accordingly, Miss Morton pays \$6.00 tuition besides her enrollment fee for the winter term.

During the winter term she makes 76 per cent on her algebra, 84 per cent on her history, 80 per cent on her grammar, and 88 per cent on her physical geography, a total average of 328 credits, which divided by four, gives her 82 per cent general average on her winter term's work, twelve more than the minimum. Accordingly, Miss



Morton is excused from paying tuition for the spring term, and so on until she fails to make her general average of 70 again, and students seldom make this mistake more than once.

(2). Students from other states pay the \$6.00 per term tuition in addition to their enrollment fee.

### V. LAUNDRY.

Laundry varies from 50c to \$1.50 per month according to how much white and starched clothing one may choose to wear. Most students pay from 75c to \$1.50 per month for their laundry.

### RESUME.

The various items enumerated above cover the necessary school expenses; beyond these the matter is with the student or the parent, as to how much additional is to be spent for pin money, etc.

Putting all necessary school expenses together—board, enrollment fees, books, and laundry,—the cost of attending school at Marshall College per term and per year are as follows:

#### To West Virginia Students.

|                                      |                     |
|--------------------------------------|---------------------|
| Total School Expenses per Term ..... | \$25.00 to \$ 49.00 |
| Total School Expenses per Year ..... | 87.50 to 122.50     |

#### To Students from Other States.

|                                      |                      |
|--------------------------------------|----------------------|
| Total School Expenses per Term ..... | \$ 31.00 to \$ 55.00 |
| Total School Expenses per Year ..... | 105.50 to 140.50     |

As stated above these are not mere estimates, but the actual cost as recorded in the accounts gathered from various boarding clubs, from College Hall, and from the list of private families who take boarders.

The records further show that the average necessary cost of a year's schooling at Marshall College is less than \$125.00.

This, of course, does not include "pin money," clothing, traveling expenses, entertainments, etc., but these do not come under the special heading of "necessary expenses;" they are necessary whether at school or at home, except that they amount to more when at school, owing to the extra attention paid to them.

Can any one complain of these figures, or find any school city the size of Huntington, which offers young people an education at lower rates than the foregoing?



COUNTY GROUPS

GLEE CLUB



By "expenses," as outlined above, we have reference to the regular Normal and Academic courses. Our special courses in which tuition is charged all students irrespective of what states they come from, are the special courses in Art, Oratory, Vocal Music and Instrumental Music. See Parts VII, VIII and IX for these subjects.

## DETAILS CONCERNING BOARD.

### I. CLUB BOARD.

This style of boarding has come to be almost the only kind of board for boys and young men in the best schools of the country, for these reasons:

1. It is cheaper than any other kind, because it is "board at school." Private board owing to high rents and the high prices of food-stuffs, has gone beyond the reach of nine-tenths of the young men who go away from home to school.
2. It is the social way, the college boy's natural way to board.
3. It is the only way by which young men can have just what they want,—as much, as little, as cheap, as expensive, when, and how they want, and that means it is the nearest approach to American ideas of boarding.
4. It is a most potent factor in cultivating a college spirit and college sentiments and opinions, a means by which college life is enabled to assert itself, to stand out by itself as opposed to the collegelessness, the lack of college individuality which characterizes those schools in large cities where the student body distributes itself at the end of each day into so many quiet dens, absorbed in the greater life of the city, thus giving no opportunity for the crystallizing of college sentiments and opinions.
5. It has practically all the advantages of private board, since in this case—club board—the students have their rooms in private families and come in close touch, in most instances, with the home life of the family, the only difference being that, instead of eating at the home of the family, they go to the home of the family that conducts the club, for their meals. Hence it is necessary to get out of doors at least three times every day or miss a meal, which is not common with students. In case of sickness meals are carried to the student's rooms, friends in the club, and the attention of the mother of the family to a student's rooms is always at command in case of illness.
6. It is eminently respectable in every way, as much so as any other kind of board, and is the kind of board all the leading schools in the country are adopting for young men.

**CLUB MANAGERS:** These are selected as nearly as possible from those most in need of financial help, and always from the sen-



ior class if there be a sufficient number in that class really needing the help, if not, then from the junior class; but in selecting them feel under no obligation to select some one unsuited to do the work, no matter how seriously he may need help.

It is not every young man, by any means, who can successfully conduct a club, any more than can every man conduct a business successfully. So, when a senior possessed of the requisite qualifications cannot be found, a junior will be chosen, or if no junior suit, then a lower classman.

A "Club Manager" should have these qualifications:

1. He should be thoroughly honest.
2. He should be cordial and direct in all his relations.
3. He should be a good business young man.
4. He should be economical, cautious, and industrious. No careless, haphazard person should handle a club.
5. He should be a judge of eatables; a close watcher of markets, and a close but pleasant buyer.
6. He should be a leader, a born one.
7. He should be a good mixer, but not of the political type rather of the straightforward business man's type.
8. He should "stand well" among his fellow students and the respect of the faculty.
9. He should be absolutely clean morally and in every way.
10. He should be a good collector.
11. His work in school should be of a high order.
12. He should be a good fielder, organizer, and financier.
13. He must be a good student, and a deserving, worthy, young man.

14. All things else being equal a senior is first choice, a junior second choice, a third-years-man third choice, and so on.

Each club manager is, ex-officio, member of the faculty board of managing committee and as such must assist in whatever ways that the committee find necessary.

Each club manager must also regard himself as assistant to the principal in the field work of the state and is expected to cooperate with him (the principal) in such ways as seem best for working up the attendance of the school.

No student is given a club who has not attended this school before and has proven himself capable.

Each club manager will be expected to keep the principal informed of any and all irregularities in the club, report the place of rooming, and name of family with whom rooming, of each student immediately after entering his club; report any change in his place of rooming, any misbehavior at the club, or other irregularities the principal should know; notify the principal immediately.

after any student has left his club and where he has gone, and report promptly all cases of illness or irregularity to meals from other causes, occurring in his club. And any club manager who is negligent of any of these duties will be replaced by the next one below him on the list. This has not been done during former years, partly because the principal has not insisted upon it and partly because managers were not notified. Hereafter, however, weekly reports must be duly sent in to the principal, made out in due form on blanks furnished managers by the principal, and any one failing to make such reports will be removed as manager.

The boarding committee of the faculty reserve the right to appoint and to remove for cause all club managers, fix regulations for the clubs, and rule who may and who may not board in a club, being the purpose of the committee that only those approved by them shall take meals at a club. Of course this means that all students who properly conduct themselves in the club may board there, but it does not mean that any one, regardless of his connection with the school, can do so. And when the manager is directed not to admit, or longer permit to remain in his club, any person or persons, such person or persons must be denied admittance at once on penalty of the removing of the manager or the closing of the club. The committee never has interfered to any extent, nor is it their purpose to interfere so long as possible, for these matters should be controlled by the students as far as possible. But they reserve the qualified right to interfere at any time and to any extent deemed advisable. This is necessary for the good of the clubs and of the school.

**CLUB MATRONS:** Clubs may be opened only at such places under such matrons as are approved by the committee. And the matrons are expected to keep that part of their homes (for all clubs in the homes of the club matrons) used by the club in clean, neat, and attractive condition, prepare all meals in the best possible way, work in harmony with the manager, advise and consult with him on all matters pertaining to the club, serve the tables well and keep the linen and other table ware in clean, orderly, and inviting condition.

They shall also see that all members of the club are orderly in and about the club home, mannerly and gentlemanly in all bearing and conversation, and that the atmosphere of the club shall be as nearly that of a well-regulated home as is possible.

The club matron is also expected to be a lady of sufficient refinement and carefulness to command the esteem and confidence of the club, and she is expected to know how to keep the affairs of the club in the same confidence as a discreet mother would her own affairs. Under no circumstances should a gossipy tongue, a meddling brain, or a careless hand be placed at the head of a



students' club. Tattlers, blatherskites, and slovens cannot be tolerated, and if found to be such, as matrons, the club will be taken from them.

## II. IN COLLEGE HALL.

**THE HALL AND ITS SURROUNDINGS:** On the completion of the new west section of the college buildings they formed a continuous block of five sections, facing 400 feet on 3rd Avenue and College Avenue, 140 feet on 16th Street and 54 feet on 17th Street.

The three west sections are given up exclusively to school work and the two eastern ones to dormitories for young ladies. These two eastern, or ladies' dormitory, sections are known as College Hall, which includes three wings, arranged in the form of a double cross, the central division extending east and west, the eastern and western divisions north and south. The dimensions of these divisions or wings are as follows:

The most eastern one, 26 x 55 feet.

The most western one, 40 x 70 feet.

The central one, 40 x 73 feet.

Each wing is three stories high besides a full basement story half of which is above ground, and the knoll on which the buildings stand, composed of sand, and rolling in every direction from the building, provides such a condition as is especially favorable for a basement, always remaining perfectly dry no matter how wet the weather. It is the most airy, the most healthful, and, in hot weather, the coolest spot in Huntington. It is as well, one of the highest, commanding a beautiful view in every direction. Approached by broad, paved walks, a wide driveway in the rear, and surrounded by green lawns of exceptional beauty, ornamented with stately old trees, this school house for girls is one of rare beauty and attraction, in the opinion of many visitors the most delightful, as well as the most beautiful, spot they have ever seen, not overdone by attempts to make it artistic, but naturally beautiful, and made more so by judicious contributions of nature's efforts, through the hand of man.

All main hallways extend through both wings, and all floors are reached by the same stairways—two. On the third avenue, or front side, is a double veranda, 54 x 14 feet, and on the rear, connected with the Principal's rooms, is one 22 x 8 feet.

The Hall is connected with the regular school buildings on the first floor by means of double doors, which when opened make the school hall-way continuous with the College Hall hall-way, the entire length being nearly even 400 feet. When the school is not in session the double doors are left open to give the young ladies of the Hall plenty of room for promenading.

On second and third floors College Hall is not connected with

school buildings, a heavy brick wall with neither windows nor doors separating the two above the first floor.

This hall cost, including furniture, \$60,000.

The arrangement of the Hall is as follows:

The basement is given up to furnace room, cellar (under dining room), and laundry.

The First Floor is occupied by two stair-cases the double parmatron's rooms, 'phone room, pantries, kitchen, dining room and hall-ways.

The Second Floor is occupied by the Principal's rooms, the guest room, 16 girls' and teachers' rooms, a bath room, stair-cases, two hall-ways and the main hall.

The Third Floor is occupied by two bath rooms, stair-cases, one hall and three cross hall-ways, and 22 girls' and teachers' rooms. The smaller rooms for girls are 12 x 16 feet; the larger ones are 18, and there are intermediate sizes.

**WHO MAY BOARD IN THE HALL:** Most of the lady teachers board in the hall.

Lady teachers have rooms on both second and third floors. All teachers and students have the same arrangements about board, and eat at the same time and at the same tables, one or more teachers at each table.

Only regular students and teachers are allowed to board in the hall. Brothers, sisters, parents, and others may visit for a brief time, but in no case except sickness are they expected to remain any length of time.

The hall is a home for lady students and teachers, and is so arranged that the occupants need not go out in the weather in passing to and from school, also, that they may have the long hall for an exercise space when the daily sessions of school are over. This is a great convenience, a most valuable sanitary feature in girls' school life. Whether it rain or hail or snow, they still have plenty of room for exercise.

No young gentlemen are admitted to College Hall to room, though they may, when the dining room is not crowded, take their meals at the hall.

So much do parents and young ladies appreciate the advantages and conveniences offered by this Hall, that for four years past all hope of accommodating every one who calls for room in it has been abandoned and each year from twenty-five to fifty have to be turned away. So numerous have been the calls for room in College Hall the last two years that the need for a new hall has grown almost imperative, and a new one of like size, with the one we have, will be filled the first year if it were only known that we had it.

**CONVENIENCES:** The building is heated by steam and lighted by natural gas.

Hot and Cold Water is furnished throughout the building, on all floors, there being an automatic water heater in the basement which furnishes nine gallons of hot water per minute; this heater is so regulated that by keeping a small gas jet burning all the time, a number of other jets are set a-burning the moment a hot water spigot is opened anywhere in the building, and hot water in abundance may be had at any moment night or day.

All Bath Rooms have hot and cold water connections, the girls' bath rooms having two bath tubs each, porcelain finish, three wash bowls in a marble plate and two closets. Each of these is made private by inside screens and doors to the several compartments in addition to the bath room door, and the private bath compartments have gas jets.

There is a Laundry in the basement, with slate basins, stove for heating irons, and hot and cold water connections. Here in strict privacy from public gaze, young ladies who prefer to do so, may do all or a part of their laundry work if they choose.

Both Mutual and Bell telephone systems are connected with the Hall, and through these, the Western Union telegraph system, thus placing the occupants of the Hall in communication with all parts of the world. Long distance 'phone connections are also a convenience of the Hall.

In addition to the two stair-cases as a means of escape in case of fire, the following are of special value:

1. The large veranda roof, 14 x 52 feet, to which access is made by four double windows, two large single windows, and a double door from which roof escape is easy by ladder or by rope.
2. Through the principal's rooms, and the rear veranda, 8 x 22 feet, from which escape is easy by ladder or rope.
3. Two fire escapes, one from each section of the hall, and extending from the third floor windows to the ground.
4. Extending from basement to third floor in each section of the building, both in the hall and in the school building, are 4-inch water pipes, with a hose 60 feet in length connected with each pipe on every floor, basement included, and water pressure sufficient to throw a flood stream over 200 feet, the pressure being so strong that it takes two muscular young men to handle each when the water is turned on in full force. In case of a stampede there are three double doors for exit on first floor, two single ones, and 18 large windows, some of them double.

In addition to the conveniences named above the following are worth considering:

1. Street car connections with all parts of the city and adjoining towns, the cars passing by the college gate, only 300 feet from the Hall.

2. The large, beautiful grounds for promenading, athletics and singing.
3. The long hallway, over 300 feet, for promenading in bad weather.
4. The college library and reading room, which will be open every Sunday afternoon hereafter, for the hall girls, and is always open on Saturdays, as well as on school days. This is on the first floor of College Hall.
5. The immediate connection of the Hall with the school building, girls thus being able to pass from the Hall to class-rooms, "to go to school," in short, without going out of doors. So, with all college entertainments, lectures, commencement exercises, etc.
6. The large front veranda, 14 x 52 feet, a luxury indeed, summer and winter.
7. The college parlors, which are open to all Hall students.

**ADVANTAGES:** 1. The protection assured young ladies against undesirable company, male or female.

2. The systematizing of their work. A time to work, a time to play, a time to recreate, etc.
3. The oversight of a matron, whose sole duty it is to care for the girls, to live for them.
4. Care and attention when sick.
5. Assistance when shopping.
6. Chaperons who can be trusted to diligently serve the young ladies.
7. Board at reasonable rates.
8. Opportunities for associating with the instructors of the college.
9. Facilities for culture in the way of receiving company, preparing for company, table manners, hygienic culture, dress, conversation, etc.
10. Counsel and advice from the principal, whose rooms are in College Hall.

**ROOMS:** The rooms are furnished with bedstead, mattress, wardrobe, dresser with mirror, chairs, table, light and heat. Students are required to furnish their own bedding, (except the mattress) their napkins and towels, and keep their rooms clean and in order. The simplest rules of hygiene demand this arrangement.

All rooms are furnished with drop-light gas lamps with Welsbach burners, but all breakage of lamp, mantle, or other fixtures, about the time after girls take possession of a room is paid for by the occupants of the room.

While there is very little difference in the advantages derived from the location of the various rooms, some preferring one floor, another, some preferring this room, some that, yet there is a difference in a few instances and the room rent has been sched-



uled so as to average these differences. It is our opinion, and opinion formed after having our own rooms on the second floor of Hall ever since it was completed, January, 1898—that the third is preferable in every way to the second, unless it be in case of fire, with fire escapes on every floor, and large hose, 60 feet in length, with enormous water pressure for preventives from danger in this respect, there is little more danger on the third than on the second floor.

We should prefer the third floor for three reasons: It is warmer in winter, it is much more quiet, and the ventilation is very much better because the long hallway on that floor extends the entire length of the Hall and has a large double window at the end. But every girl has her own ideas about such things.

Six of the lady teachers have rooms on the third floor and the Hall matron on the second.

Wherever the room be located, there is practically no difference as to the healthfulness of the location, witness the remarkably small amount of sickness we have ever had in the Hall.

Located on a high terrace, in sandy ground, with perfect drainage in all directions, plenty of sewerage, fine circulation of air, excellent plumbing, and perfectly dry basements, with such conditions surrounding the buildings there is practically no reason why College should not be almost immune against all ailments that come from lack of pure air, pure water, and proper sanitary conditions.

**ROOM RENT**—First Floor: Rooms No. C. and D. are rated \$16. per term, two in a room (\$8. each); \$18. per term, three in a room (\$6. each); or \$20. per term, four in a room (\$5. each). These rooms are 18 x 26 feet.

Room No. 8 is rated at \$10. per term, two in a room (\$5. each). This room is 12 x 16 feet.

Second Floor: Rooms 21, 27, 28, 29, 31, 32, 33 and 34 are all rated at \$10. each per term, two in a room (\$5. each person). No. 21 is the lightest room in this list, but the partition separating it from the hallway does not extend to the ceiling, it being a section of the hallway cut off by a wood partition eight feet high.

All these rooms are 12 x 16 feet.

Room No. 17 is one of the most desirable in the house since it has been hauled and both 17 and 18 thrown into one room, 18 x 26 feet. It is rated the same as Nos. C. and D. on the first floor.

Rooms No. 19 and 20, a suite, are rated at \$13. per term, two in a room (\$6.50 each), \$15. per term, three in a room (\$5. each), or \$17. per term, four in a room (\$4. each).

Third Floor: Rooms No. 41, 46, 47, 48, 49, 52, 56, 58, and 59 are all rated at \$9.00 per term, two in a room (\$4.50 each person). These rooms are each 12 x 16 feet.

Room No. 37, since 37 and 38 have been thrown into one

COLLEGE HALL GIRLS ON THE TERRACE IN 1907







room, 18 x 26, is one of the choicest rooms in the house, and is rated at \$14.00 per term, **two** in a room (\$7. each), \$16.50 per term, **three** in a room (\$5.50 each), or \$18. per term, **four** in a room (\$4.50 each).

Rooms 39 and 40, now that a nice large arch has taken the place of a door between them, have become a desirable suite, and are rated at \$12. per term, **two** in the suite (\$6. each), \$13.50 per term, **three** in the suite (\$4.50 each), or \$15. per term, **four** in the suite (\$3.75 each).

Rooms No. 42, 43, and 44 (three nos. or doors to two rooms) may be used as a suite at \$12.50 for **two**, \$14.25 for **three**, or \$15.50 for **four**, per term. Room No. 45 is rated at \$10. for **two**, (\$5. each).

Suite Nos. 50 and 51 is rated at \$14. per term for **two**, \$15.75 for **three**, and \$17. for **four**. This suite has a large and airy bed-room, a nice light work room with beautiful view, and is immediately at the head of the east staircase.

Room No. 54 is the S. E. corner room with two windows, fine view, exposed to the morning sun, and near the head of the staircase. It is rated at \$10. per term, **two** in a room (\$5. each).

Room-rent is never refunded except when the girl who leaves before a term closes can find another girl to take her place in the hall, in which case the girl may pay the one who is leaving the room for the unexpired part of the term; the reason is quite evident when explained: There are always calls for more rooms than there are rooms to rent; accordingly some girls must be left out; and if a girl leave before the term closes, not only has some other girl who would, in all probability, have remained the entire term, been denied room in the hall, but should the state refund room-rent it would lose part of a term's rent when the other girl would likely have paid the full rent. And since the income for room-rent is much less than is necessary to keep the hall in order, the state is obliged to enforce a rule of this kind to protect itself against the loss of needed funds.

Room-rent in College Hall averages just half what it averages in the city, and the expenses of running the Hall are more than double the income from the room-rent; but, thanks to the state, this additional expense has always been met in the interest of the young ladies.

So numerous are calls for rooms during the last three years that to be sure of one a girl should engage her room some time in advance of the opening of the term, and "engaged" means "paid for" not merely "spoken for." First paid for, first served, is our rule.

All available space in the hall for the spring term is always engaged two or three months in advance, and a number of rooms for the year 1905-06 were paid for early in the preceding school year.

No room is intended to accommodate fewer than two girls, and some suites are expected to accommodate three or four; but should any girl wish a room to herself, she can be accommodated by paying

the rate for two girls, unless there are more calls for room than we can accommodate in the other rooms.

The two girls in a room may have two single beds or one double bed, as they prefer.

**DAMAGE FEE:** A Damage Fee of \$2.00 is deposited by every student on entering the Hall. This fee is refunded when the student goes home, provided no unnecessary damage has been done to the room, the furniture therein, or to any school property about the buildings, in which case that part of the \$2.00 is returned which remains after settling damages. If at any time damage amounting to more than this fee be done a new deposit must be made.

Room Rent and Damage Fees are both payable to Mrs. Means, the Hall matron, who collects the table board funds, whose office is in Room 16, on second floor, see statement under head of Table Board. Mrs. Means collects all funds for the Hall and refunds all money that is to be returned.

Before Damage Fees are returned the student must satisfy the Hall Matron that no unnecessary damage has been done, or if allowed let her assess the amount, deduct the same from the \$2.00 Damage Fee, and return the balance. Before the Hall matron can give the statement she must satisfy herself that her report is correct; for damages not already accounted for be discovered at the end of the year, the principal will hold the Hall matron responsible therefor and deduct the amount from her salary, before final settlement with her. It is required, therefore, of the Hall matron, that she know exactly the condition of a room and the furniture therein when a girl moves into it, and keep posted as to who is responsible for all damages on the side of rooms, such as in hall-ways, on verandas, in parlors, etc. Broken chairs, settees, sofas, etc., etc., are paid for by the caretakers responsible therefor.

Damage Fees will not be returned hereafter for some days after the adjournment of school, thus allowing the matron plenty of time to inspect the rooms.

The occupants of a room are responsible for the furniture and the condition of everything else in their own rooms, whether damage be done by them or some other, unless they make known the person who did the damage.

Sometimes girls leave water spigots open on leaving the bathroom. These cause overflows which seriously damage the rooms below. Such things result in damage from overflow of water. A fee of \$2.00 will be charged for every case of neglect. A fee of \$1.00 is charged in every case of leaving the laundry gas burning or laundry spigots open. This will apply to teachers or students. Teachers and students who are so careless of the interests of the School should and will, make proper returns therefor. Carefulness in the use of another's property is an essential part of a student's training.

This carefulness should be observed especially in the following ways:

1. Economy in the use of lights. Common honesty toward the state would require that no lights be kept burning when not necessary, just as in domestic economy.
2. Care of furniture. All necessary breakage or destruction of property either in the school or in the Hall should be studiously avoided.
3. Windows should always be closed when leaving the room, except when out for just a moment. No one knows when a rain storm will come up and rain dash in a window, ruin some furniture, and run rough the floor, staining the ceiling below.
4. Turning the heat on and off in the register, which invariably causes leakage, and damage to the room below.
5. Caring for the walls, by refraining from driving nails therein, tacks, or in any way abusing them.
6. Window shades should always be left above a raised window prevent the wind from threshing them about or the rain from soiling them.

Neglect for such things as enumerated above, or of any other failure of caring for the Hall, will be paid for by the one or ones responsible therefor, for there is no excuse for either careless or willful neglect.

**TABLE BOARD:** The cost of board in College Hall will remain the same as during the session of 1904-05, unless some unexpected failure of crops renders food-stuffs so high that an advance in rates would be necessary to insure good board. All money paid in for board goes to defray the expenses of conducting the boarding department, including the employment of matrons, kitchen servants, and the purchase of food stuffs. None goes toward furnishing the Hall. Bills for furnishing are paid out of the charges made for room-rent.

**TABLE BOARD IS \$10 PER MONTH OF FOUR WEEKS**, and is payable in advance to the Hall Matron, Mrs. Means, at Room No. 16, second floor. No deduction is made for paying board for more than one month at a time, as it requires every dollar of the income from this source to keep up the table, and by the table we mean the food and service, as stated above.

No deductions will be made for table board for a shorter period of absence than one week, unless it be the closing week of the term, when "days" will be considered. For example: If the first month of this term have but three weeks and three days the board for the month would be \$8.55, instead of \$10.

If a girl live near enough to spend every Saturday and Sunday at home, her rates are arranged by the month, in advance, according to agreement between her and the matron.

**ONLY SEVERE ILLNESS** will be regarded sufficient cause for



absence when weekly deductions from table board may be made. Anything else simply encourages irregularities of attendance and unnecessary inconvenience in bookkeeping.

Meals will be served in girls' or teachers' rooms when the Hall matron deems it a case worthy of such attention though this must be limited to cases of illness of such a nature as to require extra care. Little headaches and like petty ailments are not to be construed as worthy of attention of this kind.

College Hall as related to Marshall College, is, in no sense the word, a boarding school, except so far as it is connected with the school and is for young ladies; it is entirely free from the most objectionable features of a boarding school such as are connected with or go to make up, schools not under state control.

It is not a place to "make money" off the young ladies. The State of West Virginia is not in the business on such a plan. Those who have oversight of the Hall are in the employ of the state, and their salaries are the same,—not a cent more or a cent less—whether there be five young ladies in the Hall or one hundred. They are interested in filling the Hall with young ladies only for the young ladies' sake and for the educational value they are to the school. All of them, (the faculty), pay their board at just the same rate as the young ladies, regardless of the number in the Hall. Hence, those whose business it is to fill the Hall with young ladies, do so, realizing that it means anything to them any further than the good of the young ladies and the added educational strength they give to the school, but as a duty.

The purpose is, to make the Hall as nearly as possible one big family, each as much interested as every other in caring for the building and furniture, each equally interested in pleasing every other member, and each equally interested in everything pertaining to the welfare of all, ready to obey because it is the proper thing to do, and most careful to do nothing that would bring pain or discomfort to any other.

Be it said to the credit of the young ladies of the Hall who were with us during the past session, there was much more of the cordial, homelike, self-governing spirit, than we have ever had before, and there were more girls than ever before in the Hall. The real wonder is, how so little of unpleasantness could be possible with the number of persons and the diversity of natures where so many are housed in one building. It is gratifying to note, however, as one explanation, that the class of families represented has been gradually on the up-grade from year to year, till we now number among the patrons of the Hall some of the best families in this and other states. But whether wealthy or humble as to the world's goods, the spirit of cordiality is the same as if all were equally blessed with financial possessions. There is no discrimination

tion or favoritism because of these things; all are on the same footing, and those possessed of more of the means that minister to material comforts vie with the rest in trying to do something to make all about them happy. Indeed the popularity of the Hall is largely due to the disposition of every one therein to try to make all girls feel "at home" at once, and all girls happy.

**GOVERNMENT:** What about rules and regulations, the reader may inquire. We answer: None if at all avoidable. At most, just as few as possible. Well organized families need none, except the unwritten laws of obedience, propriety and order, and the fewest possible, the better in any organization.

To be, and act as, a lady, under all circumstances, is the only requirement; and entire respect for the opinions of those in authority of the Hall is the preventive of rules.

**PARENTS** will please take notice of the following, which will be served to the letter:

1. If they send their daughters, or others, for whom they are responsible, here, they must send them wholly subject to the method of conducting the Hall which the faculty deem best. The moment a parent begins to interfere he will be invited to take the daughter away, while under our care we must decide what is best, and not he.

2. Young ladies do not receive callers at the Hall. Every Saturday evening the Hall is open to young gentlemen who are invited by the chairman of the Hall committee. Any young lady is permitted to request that any particular young man be invited, but the lady chairman, just as a parent in the home should do, must decide whether a young man is of a character such as should be permitted to associate with the young ladies of the Hall; if not, his name is stricken from the list without further explanation.

These Saturday evening socials are under the supervision of the teachers and matrons, and continue from 8 to 10 p. m.

3. Now and then a parent writes,—at the request of his daughter of course,—to the principal, requesting that a certain young man be permitted to call on his daughter whenever the daughter wishes it. Such requests are kindly, but studiously ignored, because what one parent requests all have liberty to request, and a "pretty mess" we should have of it if such requests were complied with. One can hardly conceive of a sensible parent's making such a request for a daughter to call on at school, but unfortunately there are such thoughtless ones. Usually, however, nearly all parents send their daughters here to study, not to entertain young men, and when they ask for favors they respectfully add. "if this does not conflict in any way with your regulations, and if so, please ignore it." We have no trouble with the parents whose daughters write this way, or seldom do. All such requests should be addressed to Mrs. Laura Means, and not to the principal. Calling on the young ladies of the Hall is permitted when and to



whom the Hall matron sees proper, and she is a most reasonable lady.

As a rule, however, all calling consistent with school propriety and with good work, can be done at the Saturday evening socials.

4. Study Hours are from 2:00 to 4:30 p. m. and from 7:00 (7:30 in late spring), to 9:45 p. m., during which time no visiting is permitted, and quiet must be maintained. This is essential to good study.

5. Leaving the Grounds is allowed only when permission has been obtained from the Hall matron. We must know where the young ladies are if we are to be responsible for them.

6. Parents often give permission to their daughters to go out to spend the night in the city or neighborhood. This may seem a simple permission to them; but we who know the city and its people better than they, deem this a very unwise permission and it cannot be given. The daytime is long enough for city calls.

7. Some parents permit coarse, rough, drunken, even indecent young men to call on their daughters. If they wish that, they must not send them to the Hall, for only decent, refined young men, and those who are conducting themselves in a manner that will not bring reproach upon those on whom they call, are permitted, so far as we can find them out, to mingle with the young ladies at the evening receptions.

8. We must use our judgment as to where young ladies are to go, who goes with them, and how often. If close to the city, of course, young ladies are permitted to go home somewhat often, provided they miss no lessons; but even this is not best, at least it is easily overdone.

We therefore very respectfully notify parents that when they send their daughters to the Hall they must send them subject to the government of the Hall; we can receive them on no other terms. If they wish special liberties granted their daughters we must know in advance what they are, for if they in any respect conflict with the Hall government, they cannot be granted.

9. Every privilege consistent with the safety, culture, and education of young ladies is assured them and their parents in advance.

**NO FATHER OR MOTHER** who knows anything of the advantages of school days spent in a Hall where there are educated teachers, kindly matrons, considerate young ladies, the oversight of the principal of the institution whose interest as well as whose business it is to see that lady students are protected and cared for in every way, the counsel and sympathy of lady teachers who have only the good of young ladies at heart, safe company into the city when they need to go, unselfish advice when they wish to purchase anything or make other expenditures, trustworthy escorts to church, and every other convenience and protection that can possibly be had in the absence of parents, with all these, we repeat, that no father or

mother who loves his or her child and would protect her, will hesitate a moment in deciding whether she should board among strangers who have little or no interest in her save for her money, or at a ladies' Hall. Among strangers she is thrown with whatever company the family may have, be that of the class it may, (we teachers who select boarding places cannot always know that), and often no special interest is taken in her culture, she is classed with the society of those with whom she boards, and when sick, too often receives the attention that is accorded a soldier in camp, or less. How much better to be where teachers will see that she has the best of care and attention when sick, where her culture is made a matter second not even to her education, where her company is assured to be of the better class, and where she is among friends.

We cheerfully grant that not all boarding places are such as we mention. Not a few families have proven themselves as good and kind as they could be to our students when sick. But, unfortunately, this is a matter that requires the greatest precaution. It is all well enough to get board at reasonable rates. That is the right thing to do; but it is well also to remember that in this respect, as in many others, the cheapest can be the dearest.

Young women, especially, can exercise good judgment and economy nowhere with better results than in the selection of boarding places. Each year greater care is exercised in the selection of boarding places for our students, because we realize how much it means to them in more ways than simply "the board."

As a precaution, a means of social and educational culture, as security for careful attention when sick or needing assistance or advice in any way, first last, all the time, we recommend College Hall to lady students unless they have worthy relatives or friends in the city. Even then with many young ladies, and especially with the poorer class, College Hall is the proper place if they would do their best work and be free from needless outside interference and hurtful influences in the way of detracting from study interest.

**Strange.**—Now and then a parent brings one or more daughters to the Hall and not only speaks in their presence of the probability of their getting homesick, but even stays in town one or more days to see whether they really do become homesick, (who would not, under such circumstances?) calls two or three times per day while they are to inquire whether they are homesick and then finally leaves them with the parting advice that if they get homesick they may come home. Odd! Odd in the extreme! Yes more. To one who has been trained in that "home school of obedience" which simply said "go," "come," or "stay," such latitude to children seems dreadful. Children given such instructions invariably are whiny, hard to please, hard to get along with, undesirable in many ways. If parents send children

here with liberty to do their own choosing (the children we mean) we prefer not to have them. Unless parents care to see where their children are going and those in whose care and training they are to be placed—which are excellent things to do,—it is better to send the daughters and give them a lesson in self-reliance in coming alone. We always want to know the parents, if for no other reason,—and there are many—to know how and to what extent to allow for the peculiarities of the child, for we all have our peculiarities.

Mrs. Means, the lady selected to take charge of College Hall as matron to the young ladies therein, is a lady of culture, of refinement, of the very highest Christian character, is kindness itself, has been a mother and has the sympathy, solicitude, and deep interest of a mother in her work here which any true mother has for her daughters. She is firm, but combines firmness with reason and kindness so fully that no reasonable girl can take any exceptions whatever to her ruling. Only one who has been a mother can do well the work devolving upon a matron in a position like this, for only such knows the delicate duties connected with caring for girls. Parents can with perfect safety and confidence entrust the oversight of their daughters to her, and in doing so feel assured that they will be cared for as thoughtfully as they are in their own homes.

Mrs. Everett, first assistant to the principal of the school, and a lady of maturity, dignity, culture, and scholarship, who also has known the feelings and experiences of a mother, assists Mrs. Means in all her work, both with her advice and her service.

In addition, there are several other lady teachers to share in the work of supervision when their assistance is needed.

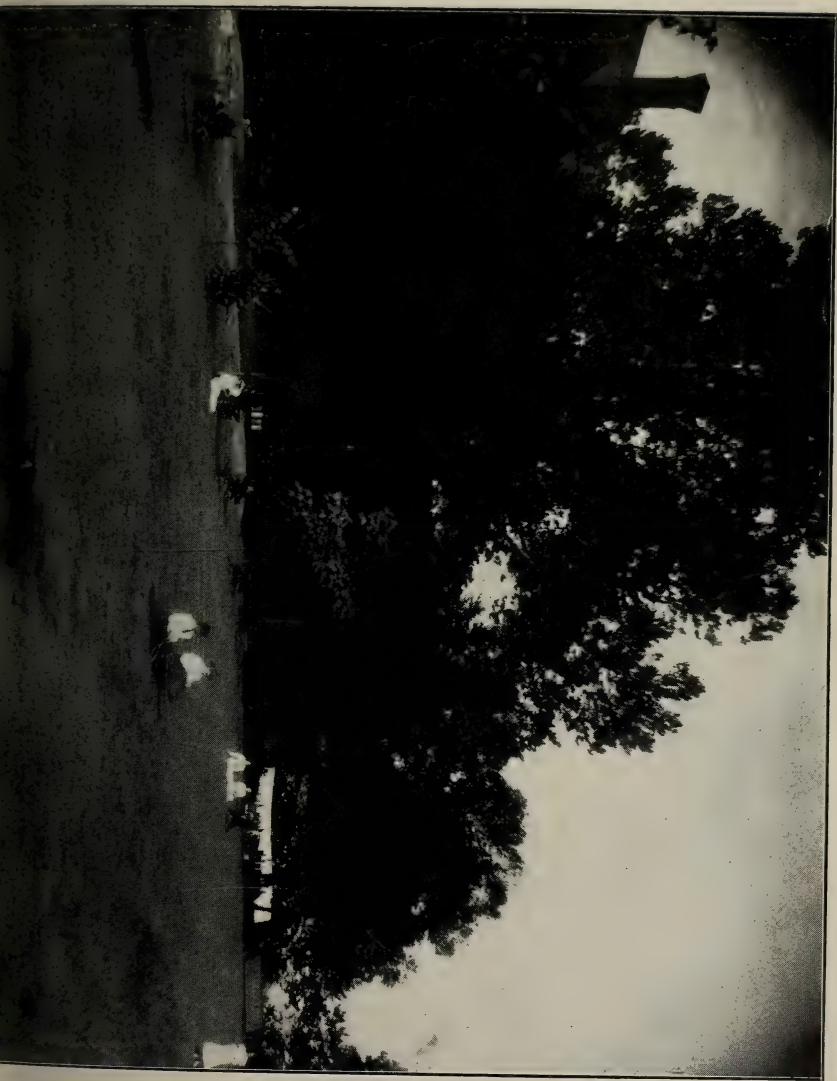
It will thus be noted that practically every precaution has been taken to throw around our girls the best possible safeguards in school and out, so that not only may their residence here be pleasant and profitable, but that we may return them to their parents better than when they came.

Care is taken also to get rid of undesirable girls just as soon as we find them such, and we have no hesitancy in sending an unworthy girl home, without any ceremony whatever, just as soon as we are assured that she is unfit, from speech or act, to associate with our girls, or as soon as we find her more inclined to boys than to books or to evil than to good. The place for such is not at this school and they cannot stay here.

Girls coming to the Hall must come subject entirely to the regulations therein. Suggestions from parents so long as they do not conflict with our regulations are kindly heard and carried out, if possible, but they must not run counter to the established rules governing the Hall.

**NOTE:—**All teachers and students who have rooms in the Hall













are expected to take their full board there; and when they wish to take even one meal per day outside, because of a capricious appetite, they will be expected to procure their rooms outside at once; there are too many demands for room and full board in the Hall to have anyone taking only part board. Both teachers and students are requested to ask nothing of this kind; it cannot, it will not be granted.

### III. IN PRIVATE FAMILIES.

Board can be had in private families from \$12.00 to \$14.00 per month, but students wishing board of this kind should correspond with us in advance to save time after their arrival.

### IV. CO-OPERATIVE BOARD.

This system of board, in its infancy at this school, may figure as one of the best in due time.

Briefly stated it is conducted as follows: Any number of ladies, from two up to as many as can be accommodated, rent a suite of rooms, divide the work of keeping them, cooking, buying, etc., bring many things from home as possible, and thus save all expenses of price, supervision and other items which add to the cost. Under this system as tried so far, board, everything included, has been kept as low as \$7.50 per month, or \$2.00 to \$2.50 lower than club board. This means co-operative board for ladies, for gentlemen will eat about one to two dollars per month more food than ladies.

Sometimes brothers and sisters make arrangements of this kind and find it very cheap. In such case the father or older brother could come and select the house or the suite of rooms desired, as the boarding committee of the school might not always succeed in selecting just what is wanted, though they are always glad to help.

### V. KEEPING HOUSE.

In several instances, more each year, a mother or older sister rents a suite of rooms or a small house, brings several of the family, sometimes friends and relatives, and conducts regular housekeeping. Smaller children come also, now that there is a model department for children of all ages from five years up. This is the ideal plan, and cannot be too highly commended.

If only parents and young people would take pains to investigate, they would be surprised to find how many ways there are by which the best schools of the state can be made accessible to all who are anxious for an education. Particularly is this the case at Huntington, the largest town in West Virginia in which a state school is

located. Education, higher education, is coming more and more to a matter of "wish" instead of "a way." The way is at the hand practically every one who will look about and find it.

## PART XI.

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### GENERAL REGULATIONS AND SUGGESTIONS.

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#### GENERAL REGULATIONS.

1. Every student is expected to carry at least **three** regular studies, and **four** if he is able to do so, except in the following cases:

(1). Teachers who wish to carry one or more studies while teaching in the city or adjoining towns or rural districts.

(2). Married persons, very mature persons, or men and women, young or old) who are engaged in business and cannot carry more than one or two studies.

(3). Students who wish to give special attention to music, art, or oratory.

(4). Those suffering from any physical ailment such as weak eyes and who furnish a physician's certificate stating such to be a real impediment.

These cases will be considered by the faculty, who insist upon the right to pass final judgment in all such matters.

2. Students from other states are required to pay tuition at the following rate. For **one** study \$2.00 per term. For **two** studies \$4.00 per term. For **three** or more studies \$6.00. They pay their enrollment fee of \$2.00 per term in addition to this.

3. Private lessons in any subject taught by the faculty will be given at the following rates:

|                                                 |      |
|-------------------------------------------------|------|
| one person only, per lesson, one hour .....     | 50c  |
| two persons, each, per lesson, one hour .....   | 37½c |
| three persons, each, per lesson, one hour ..... | 30c  |
| four persons, each, per lesson, one hour .....  | 25c  |
| five persons, each, per lesson, one hour .....  | 22c  |

More than five, each, per lesson, one hour ..... 20c

To regular students who wish to make up back work, one-half the above rates will be charged.

4. Students who come here for the purpose of carrying music only, art only, oratory only, or any two or more of these subjects unless they live in town, will be required to give at least four full hours per day besides their recitation hours, to their practice work in those subjects.

5. All students, in whatever departments they may be engaged are required to attend chapel exercises, which are conducted twice per week, Tuesday and Thursday, from 10:15 to 11:00 a. m.

6. No student is permitted to board anywhere or room anywhere except in places approved by the boarding committee; and should anyone be found in a place not approved by the committee he or she will be notified at once to move, on penalty of being dropped from school.

Mothers and fathers of the homes where students room are expected to look after such details as are consistent with the situation, to treat them as they would have their own sons and daughters treated were they away at school or dependent on strangers for room and such courtesies and kindnesses as should be shown a boy or girl away from home.

They are expected also to report promptly and fully every case of unnecessary abuse of furniture or house when prompt reparation is not made to them by the student; also all irregularities of hours, noisy company, an unnecessary amount of company, unnecessary noise in rooms or the undue soiling of them.

Students are expected to exercise more care in the use and enjoyment of the homes in which they have rooms than if they were at home, avoiding always any thing that would cause unpleasantness in the homes where they are located. If things do not suit them they should prefer their requests in a most kind and courteous manner and if not complied with there are always other places. But both students and the parents of the homes are expected to meet each other half way in all matters of difference without jar or friction.

7. When a student wishes to change his boarding or rooming place, permission must first be obtained, if a gentleman, from Mr. Fitzgerald, if a lady, from Miss Johnson, and satisfactory reason therefor must be given. They must give the number of the house and the name of the family so that the committee may intelligently pass upon the advisability of the change.

There are several reasons for this regulation. Those refusing to comply with it may expect their names to be dropped from the roll of the school at once. We cannot be responsible for the success of a student unless we have something to say about his boarding place.



for with whom he boards is a matter of first importance to a student's success.

The boarding question is an important one but can easily be settled after one reaches the college unless one wants to board in the Hall, in which case it is important to attend to this matter early.

It is well, especially if you are a young lady, to let us know on what train you will arrive unless there is someone with you who knows the city.

Students are not permitted to board or room in those parts of the city where either the water is unhealthful, or the surroundings undesirable. Searching investigation of the premises where students board and room will always be made before locating them. It is often too late afterward.

Students are expected to report to the principal's office for enrollment within twenty-four hours after their arrival in the city, and sooner if convenient.

Every student who does not board in College Hall is expected to report to the principal the number of the house (street number) and the name of the family where he has his room and where he takes his meals, within twenty-four hours after enrolling. Failure to attend to this regulation will be followed by investigation, and, if premeditated, suspension or expulsion.

Enter on the opening day of the term and stay till the term has closed.

8. A rule of the state board of regents requires that juniors and seniors shall be limited to five full studies,—25 regular recitations per week,—and under no circumstances shall they carry more than is for a longer period than one term within these two years, and not more than six studies for that one term, and this shall not be permitted except with the unanimous consent of the faculty.

9. There are few offenses against the successful work of a school that are regarded more serious at Marshall College than those of irregularity to classes without good cause, or leaving the building before one's recitations for the day are over without notifying the teacher or teachers of said class or classes. Such things will not be tolerated; and if persisted in will be punished severely. Several young men have been expelled for such things, and others will be if found guilty.

Not only is a student expected to be in school every day he is able, after enrolling, but he is expected to be present at every recitation unless excused by the teacher.

Under no circumstances is a student permitted to change from one study to another, drop a study for any reason, or take up a new study, without consulting his "class officer" and getting his written permission.



When a student withdraws from this school or any of its five branches, or is dropped by the faculty, for cause involving his integrity, honor, or other like reason such as disobedience, good-for-nothingness, etc., and wishes to enter any other of the state schools of West Virginia, he must present a written permit to do so from the principal or president of the school from which he has withdrawn or has been dropped, before he can enter.

All students who have not been in this school before and are not vouched for by some member of the faculty must bring a letter of recommendation from some thoroughly reliable citizen not related to them, on presenting themselves for enrollment.

Very many parents and young people write us to inquire about appointments. Do not forget that no appointment is needed. This is all attended to after students arrive. Simply get a letter of recommendation, for that is necessary for all new students.

11. Every student is expected to notify the principal before leaving the city, whether temporarily or to withdraw from the school, and state the reason. In no other way can the principal keep posted as to the whereabouts of students in order that he may answer calls for them by telegram or by friends and relatives. Any student leaving the city without the principal's permission may expect to be dropped from the rolls unless satisfactory explanation be made in due time, and anyone withdrawing from the school without giving notice of time and cause, may expect to be denied re-admittance at any future time, unless due explanation be made.

12. The use of tobacco in any form on the school grounds, the frequenting of saloons, or the drinking of intoxicants while a student, no matter whether on or off the grounds, in the city or out of it, will be treated as offenses of sufficient gravity to require withdrawal from school, or, in case of extenuating circumstances, suspension.

13. Good students are in their rooms after dark and during other study hours except when they can give an entirely satisfactory reason for not being there.

No student ever got any inspiration to study by lounging in the streets. Lounging is usually the beginning of "failure."

Hotel lobbies are about the least respectable resorts in the world for students. Avoid them.

Every good student is at his books at least two hours every afternoon and at least three hours every night. Any less than this means not up to the standard—not a success.

14. Sometimes parents who send children here to school send us word to look after all expenses and send bills to them. We are glad to do this, but every student should have his \$2.00 "Enrollment Fee" with him when he enrolls. By so doing much inconvenience in bookkeeping can be saved us. Please do not forget the regulation which requires that the "Enrollment Fee" must be paid before a

student can enter his classes, also the "Tuition Fee" in case of students coming from other states.

Every student who handles his own money should either deposit early all of it in his home bank before leaving home then pay his bills, by checks, or should, on arriving here, draw a check on his home bank for the amount needed for the term, at least for some time, deposit the check in a Huntington bank and pay his bills by checks thereon or by drawing out small amounts by check as he needs cash. This not only is safer than carrying one's money about one's pocket or having it locked in one's trunk but is more business-like and usually teaches economy by having a balance statement of one's capital before one's eyes every time one draws a check.

Parents who wish their children's money handled by some one connected with the school can make such arrangement by writing the principal, who appoints a member of the faculty to assume this responsibility and keep an itemized statement of all expenses and for what purpose made. Blanks for this purpose are kept on hand.

15. In no way, seemingly innocent in itself, can a strange girl cause a whirl of unsavory gossip about herself any more quickly than buggy-riding with a gentleman or with a "loud" woman in a large town of any size. Once we have been compelled to send a girl home from this school to silence such things. Consequently, only with lady members of a family or relatives who live in this city, with the permission of Mrs. Everett, dean of women, is a lady expected to go buggy-riding while a student here. Girls must not forget that they cannot do as they do at home, when attending school. The public eye is especially critical of a girl student away from home.

If you choose questionable associates you yourself become questionable at once. Men of a kind, and women too, naturally attract each other. You are judged by your associates no matter what cause you make. The first "pointer" as to your character the principal gets after your arrival here, is the students or the city people you select as your associates.

16. Now that the school is much too large for the principal to act as personal adviser to all students in all things of lesser moment, each student on enrolling will be furnished with a card stating which member of the faculty is to be his personal adviser, and he will consult that teacher in all matters in which he needs counsel, and the teacher will consult with the principal in all cases requiring especial-careful decision. Of course the principal will always be approachable to all students when they wish to advise with him. Every student should know the principal, personally, and he should know every student personally, if possible, know their home life, their financial and social situation, their ambitions and their limitations. Unless he does, he cannot know their needs either as he would like to know

them, or as he needs to know them to do his best by them as students. One of the first things, therefore, a student should do after entering school, is, to have a plain talk with his consulting instructor, and as soon afterwards as possible, with the principal or president. Tell them your situation and your aspirations, my your friend, and you will then be sure of justice when your name comes up before the faculty. You will be sure of more; you will have two persons sufficiently interested in you to favor you when opportunity arises, to look out for helping you in the way you most need.

### SUGGESTIONS.

1. Come the full year if possible.
2. Get acquainted with the best students.
3. Join one of the literary societies within the first month after entering.

4. Attend the exercises of the "Lecture Course."

5. Take part, and take part earnestly and enthusiastically, in the students' exercises approved by the faculty. We like and the students like enthusiastic boys and girls.

6. Good study means a good appetite, a good appetite means a clear head and a warm heart. In order to have the appetite one must exercise at least "one hour" each afternoon, and exercise vigorously.

Take plenty of exercise and take it between 2 and 7:30 p. m. sometime; not earlier, not later.

Take part in athletics. It pays the school to have hearty, vigorous students, and it pays the students.

7. See that you are in the study hall at intervals between recitations. Lounging in hallways, on verandas, or on the grounds between 8 a. m. and 1:15 p. m. may result seriously.

8. Take the full course. It pays. The world likes a boy or girl who completes, who finishes things.

9. Never write on the walls or on the furniture of the building; no matter what one writes, this is always an evidence of grossness.

10. Uncombed hair, unblackened boots, soiled collars or shirt fronts, carelessly tied neckties, untrimmed (at least uncleaned) fingernails, unclean teeth, unbrushed clothing, walking or standing habitually with hands in the pockets, a slouchy walk, these are the marks of inexcusable carelessness or of unpardonable neglect, and go to help unmake a gentleman.

11. To expectorate on anybody's floor, private or public, whether it be in one's home, in another's, or in a public building, is indecent, vulgar, dangerous, and in many places criminal.

12. Always take off your hat to your teacher when you meet him on the grounds, on the street, or elsewhere out of the classroom.



BASKET BALL TEAM





Do this for your own sake and for the sake of the tone of the school, if not for the teacher.

13. Read the list of text books used in this school, (see under that head in the index), and bring those books that can be used here.

14. Do not forget that special railroad rates can be gotten when as many as ten come from any one point.

15. Never go off and leave your books lying in the study hall or anywhere else about the building. They are not too heavy to carry with you, or should not be. We cannot be responsible for losses thus incurred.

16. Learn the rules of the library before taking advantage of library privileges.

17. If you come to board in College Hall, see that all bed-clothing and all wearing apparel have been carefully examined, so that the unnamable insect which gets into the best of homes now and then,—the “cimex lectularius” as zoology calls it,—may not come with you.

The Hall is thoroughly renovated every summer, once in June and once in early September, thus assuring ourselves that it is in first-class order. The beds are thoroughly attended to once a month during the school year also, and the girls who room in the Hall are expected to do the rest.

Boys and girls coming to room in the city in other people's homes should always look out that they bring nothing of the kind into those homes, and if they find them already there they should report at once to the mother of the home.

18. Do not hesitate to come to school because you are out of your teens or twenties or thirties even. If we had our preference we should have no graduate under 21. It is much easier to find them good positions when mature. Every year we enroll students who are married, who realize that when an education is needed there is no age limit.

19. Make your school your home. Treat it as your home and it will so treat you. You will be received just as you receive others, loved just as you love others. Be loyal to your school and your teachers, and help make the school a part of yourself as well as yourself a part of your school. Let your motto be: “I'll do everything in my power to make the school glad I am a part of it and myself glad that it is a part of me.”

20. If any one wants informaton not given in this catalogue write or it and we shall promptly answer.

21 **GOING TO SCHOOL:** A few years at the head of a school of a few hundred students gives one a deeper insight into the aimlessness, the lack of well-defined purpose, the meaninglessness, the drifting tendency, the lack of persistence, the helplessness, the good-for-little, and, in too many cases, the good-for-nothingness of a large



per cent of young people. It is truly dreadful to observe and to reflect upon these things. It is no wonder there are bosses in our city, county, state and national political campaigns, in social competition in business enterprise, in almost all departments of life. To contemplate the situation one can not help excusing monopolies, trust magnates, princes of finance, and bosses great and bosses small to a large degree. All these are but the natural outgrowth of a condition. There could be no bosses if there were not hundreds, thousands, millions who prefer to be bossed, or who cannot help themselves because they have carelessly, if not criminally, let their opportunities for meeting and crushing the bosses pass. What can we expect but bosses in all lines of work and in all situations so long as but a handful of our young people show any purpose in life, any genuine back bone, any real manly spirit of individuality, personality or independence? A pretty mess we'd have of it in some situations if we had no bosses; at the helm they are better than blubber back-bone for all bosses have some well-defined purpose. They are not drifters but pushers, pullers, leaders, men of ability of some kind and are willing to try to use it independently.

22. **FULL YEAR ATTENDANCE:** Only a few years ago was the rare exception that students from a distance came to attend school the entire year. Now a large per cent of our attendance from a distance is for the full year; and what a difference in the work and in results! What a difference in the system and the thoroughness with which class work is done! What a difference in the entire work of the school and what a difference to the students in their relations to the school as well as in the thoroughness of their work. The class work is much better, the work is easier, and yet more thorough, the literary societies are better, there is much more reading and investigation, the College spirit is remarkably improved, the social feature is so much better it seems another place, the student enjoy the school better, like their schoolmates better because they have time to get acquainted with them, there is more homelikeness about it, there is more enthusiasm, chapel is more interesting and better, every phase of life and work in the school seems absolutely rejuvenated; why? Try attending school by piecemeal once and then try it by the full year and see why. The very atmosphere of the school changes for the better to both students and teachers for the simple reason that the school becomes the home of the students in a large measure; they are here three-fourths of the year; if here but one term the school seems more like a work-shop or visiting place. It takes time to convert a new place into homelikeness. It takes time to learn to like strangers well. It takes time to learn how to study. We candidly believe that more solid results are derived from one session of nine months than in fifteen months of broken attendance. Has the reader ever attended school three of four days per

week and missed one or two days per week? Has he missed about one recitation out of three? Or has he ever taught and had a pupil do these things? If so, how about the progress made? How about the interest in the work? This is the same thing, on a smaller scale, as attending school by broken terms.

There are thousands of young persons solving this problem this way every year. At Marshall College are at least fifty young men and women each year who solve this problem without any help. Some do janitor work at the school buildings, some manage students' clubs, some wait on table and assist in house work in private homes and boarding houses, (not simply girls, boys as well; indeed they are mostly boys,) some assist our city livery men, some work at the barbers' chair at evenings and on Saturdays, some do work on Saturdays, holidays and special days in dry goods stores, groceries and other mercantile houses, and so on through the list. The principal does his best to assist in procuring such places, but the majority of the boys who thus earn their school money skirmish around and find these places. Many of the young men get employment for the summer at wages much better than they can command at home, and stay here from one year's end to the next until through school.

Most of those who formerly came by single terms did so because they thought it impossible to do otherwise owing to their financial situation. In some cases it was almost impossible to do otherwise. But when the majority of those who were attending one term per year began to count the difference in the time required to finish their education in that way and by attending full years, they realized at once that it might be economy in dollars and cents to throw all their energies and time into the work, to count the gain by doing so, and then to see if there was not some way to arrange things to meet the financial requirements of coming here full years. A vigorous, earnest, promising boy or girl's head once set to work to solve a problem like this, solves it completely in more than nine cases out of ten. Indeed it is a matter very much more of the boy or girl than of money. What a boy or girl can do depends almost wholly on who he or she is, the material of which made; and what a boy or girl of good material decides to do because best for him or her to do, that is what he or she finds it possible to do when the cost is counted—that is what he usually does. Why do not more young men and women throw the whole power of their personality—their will, their business judgment, and their inventive genius—into the solution of this problem of pushing their education to a finish at the earliest possible moment? If they will but thus apply themselves to the solution of the problem, the number of those who attend school full sessions will be more than doubled at this school next year. My young friends, seriously consider this matter.

The janitor's work at the school is at least twice as much as one

man can do, but we never employ more than one regular janitor; all the rest of the work is given to students.

What kind of boys and girls are those who work to pay all or a part of their expenses? **Easily answered.** The fact that they are willing to do this work to educate themselves really answers this question; they are among the very best students; they are respected for their energy and lose no esteem or social standing because they work; in the estimation of the principal and the faculty of the school they rank all the higher because they are **willing to help themselves.**

There are other young people here, quite a number of them, who borrow money from friends, relatives, or others, some take out life insurance policies and turn them over to those from whom they borrow till the money is returned.

Still others have other ways of getting through school. But the question is, **get through, and get through by attending full sessions if at all possible**—and there are **very few** with whom it is **not possible.**

With those, however, with whom it is **not possible** to come full years, we are just as deeply in sympathy; special pains are taken when they do come to give all the work they can do well, and to give them the studies they feel that they most need.

The final question is, whether it be by full sessions or by part sessions, **educate yourself.** Let not the mad rush for money that has so savagely taken hold of the people of all countries within the last decade blind any young man or woman to that most serious of all public questions for the young people of today, that question which appeals to all alike: **The young people of today are to be the citizens, the teachers, the ministers, the officials, the statesmen, the jurists of tomorrow;** do not forget that each succeeding generation is going to demand better educated people for these places; do not forget that more and more a man or a woman's education is to be his or her passport into good society, into positions of trust, honor, and money.

The question is not so much how soon young people educate themselves, though that means much, but whether they do it **at all.** We admire very much the push and sticking qualities of young people who come to us one term per year from session to session. To stick to a thing means very much. Many of the best graduates have been those who came but one term per year till they had reached their senior year. We want you, want you educated, and are glad to have you even one term per year. Come as much each session as possible, but **be sure to come.** We'll find classes for you and you'll find very warm friends. The very heartiest welcome to you at Marshall College.

## PART XII.

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### PRIZES, REWARDS AND SCHOLARSHIPS.

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AWARDED,—SESSION OF 1905-'06.

The "Grade Prize," \$5.00 in gold, was won by Miss Ethel Waddell, having led the entire school for each of the three terms, with the following average:

Fall Term .....96 3-5

Winter Term .....97 1/4

Spring Term .....97 1/4

The "Crumrine Prize," \$15.00, fell to two young ladies in the ratio two to one. Ten dollars was awarded Miss Helen Randall of Harrison county, and \$5.00 went to Miss Tressie Hearholzer of Cabell county.

The "Beethoven Prize," a \$10 gold piece, was awarded to Miss Esther Crooks of Jackson county.

The "Mozart Prize," a \$5.00 gold piece, was awarded to Miss Eva King of Gilmer county.

The "Jordan Prize," a \$5.00 gold piece, went to Joe Davidson of Cabell county.

The "Furnell Wreath" went to the Virginian Literary Society.

The "Davis Silver Cup" went to the class of 1908.

The Inter-Society award, \$90, went as follows:

To the Virginian Society .....\$55.00

To the Erosophian Society ..... 35.00

TO BE AWARDED,—SESSION OF 1906-'07.

1. The "Grade Prize," \$5.00 in gold, to be awarded to the pupil who makes the highest general average for the year 1906-'07, whose conduct is above question, and whose attendance has been first-class, that is, there are to be no absences from any class unless excused by the principal.



2. The "Cochran Prize," a \$10 gold piece, to the student who makes the most progress in the Department of Expression and whose work has been the most satisfactory for the entire year.

3. Five Dollars to the student in the Department of Expression who recites best "The Death of Sidney Carton" (Tale of Two Cities,—Dickens). Only students taking regular work in this department will be admitted to the contest for this prize.

4. The "Mozart Prize," \$5.00 in gold, to be awarded to the best all-round music student for attendance, punctuality, decorum, progress in music studies, application, practice, etc. This is open to all departments of music, but only to those taking music the entire year, "full time."

5. The "Crumrine Prize," \$15.00, for excellence in playing the classics, piano, open only to students in the piano department. This prize will be awarded in the form of payment in full for tuition in the piano department, for the spring term.

6. The "Beethoven Prize," \$10.00 in gold, for the best examination, written or oral, in the "History of Music and the Biography of Musicians," open only to students of the music department, to all divisions of it, piano, organ, band, violin, voice, etc., but only to those taking music the entire year, "full time." This prize will not be awarded unless there be at least five contestants for it.

7. The "Raphael Prize," \$10.00 in gold, for the best piece of work in colors, Art Department. This offer is made only to those taking regular work in art, and the work must all be done in the college studio. This piece of work must be on a card not less than 18 x 24 inches, or if of different dimensions, then of this area, and the color part must not be less than 12 x 18 inches or its equivalent in area.

8. To the student of art who produces the second best piece in color, size same as the preceding one, an award of \$5.00 in gold will be offered. This will be known as the "Rembrandt Prize." This piece must also be painted in the college studio.

9. The "Inter-Society Contest Awards," \$90.00 in all, for piano recitation, essay, oration, and debate.

10. The "Jordan Prize," a \$5.00 gold piece, to be awarded to the most successful student in the Greek division of the ancient language work.

11. The "Furnell Wreath," to go to the literary society winning the larger portion of the \$90.00 awarded at each annual inter-society contest.

12. The "Davis Cup," to go to the "class base ball team" that comes off champion in the inter-class games.

Awards Nos. 3, 4, 6, 7, 8, and 9 will not be made unless the proper spirit of competition is shown, and unless the efforts come up to proper standards of excellence.

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Two Scholarships, one of \$45.00 and one of \$55.00 will be awarded, the former to a member of the junior class, the latter to a member of the senior class. These will be awarded sometime in April of each year. The basis on which these scholarships are to be awarded will cover the following points:

Character.

Class standing.

Habits of study.

General decorum.

Financial situation.

Attendance and punctuality.

If at any time two members of the senior class rank above any member of the junior on these six points both awards may go to the senior class, and the opposite may occur.

These two scholarships are offered in memory of Mrs. L. J. Corbly, and will be known as the "Mrs. L. J. Corbly Scholarships."

It was at first intended to offer one \$100.00 scholarship, but after discussing with others it was decided better to let two worthy young people benefit by the offer instead of one.



## PART XIII.

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### STUDENT ORGANIZATIONS.

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#### LITERARY SOCIETIES.

Up to the opening of the fall term, 1896, the literary organizations of the school were divided on the basis of sex, one for the ladies,—the **HYPERION**,—and one for the gentlemen,—the **EROSOPHIAN**.

This arrangement did not prove entirely satisfactory in a co-educational school and shortly after the opening of school in September, 1896, a movement was set on foot for reorganizing the literary societies, which resulted in the formation of just one society for both sexes, the name of which, the **VIRGINIAN**, was chosen from a list submitted by the principal of the school.

But it soon became evident that this did not meet all demands, especially to the ambitious. Differences arose, and were magnified into dissensions, and dissensions led to factions, one of which, under the brilliant leadership of that very remarkable young man, only in his early 'teens, Henry Deitz, withdrew from the Virginian society in the fall of 1897 and formed a new society, also co-educational, which took the name of one of the old societies out of which the Virginian was formed, the **EROSOPHIAN**, and this move put matters in a normal condition, both sexes in each, each on an equal footing every way and hence ready for "battle" in due form.

It was then that the principal encouraged the "annual inter society contest" which was immediately arranged for, he offering awards to the amount of \$50, to replenish the treasury of the winning society, four contestants to be selected from each society, immediately after the opening of the winter term, the selections to be made by the societies: One for debate, one for oration, one for essay, and one for recitation, the \$50.00 to be divided as follows: Debate, \$20, oration \$15, essay \$10, recitation \$5.

There being no society rooms or halls at that time the enterprising young people used recitation rooms till the opening of the winter



Y. W. C. A. AND Y. M. C. A. OFFICERS.



erm, 1900, when new halls in the new 1899 section of the buildings were turned over to them, since which time the societies have been handsomely and comfortably housed in halls of their own.

The first annual contest came off at the June commencement of 1898.

Beginning with the June commencement, 1905, the amount for awards in these contests was raised from \$50 to \$90 and the new feature of the contest between two pianists was added to the list of exercises, the \$90 going as follows: Debate \$40, oration \$20, essay \$5, recitation \$10, piano \$5.

Beginning with the 1904 contest two debaters from each society, instead of one, were selected, and the exercises occupied two nights to avoid unduly tiring the audience; debate one night (since piano was added, debate and piano), and oration, essay, and recitation the other night.

It is scarcely necessary to add that these annual contests are among the most interesting of commencement week.

**EROSOPHIAN LITERARY SOCIETY:** This society has its hall on the 2nd floor of the 1899 building. The dimensions of the hall are 36 x 36 x 14 feet. It is neatly carpeted, beautifully papered, and is furnished with nice chairs, secretary's desk, debaters' tables, president's table and chair, and other necessary equipments. On its walls are some good pictures, one a beautiful painting of Psyche, 3 x 5 feet, painted by Prof. E. E. Myers of the art department and purchased by the society for \$50. There are 6 wall brackets for gas jets, and four four-light chandeliers, making a total of 22 gas jets for lighting the hall. There is a piano in the hall for use by the society. All furniture and furnishings were paid for by the society except the plumbing and the piano.

**VIRGINIAN LITERARY SOCIETY:** This society has its hall on the 3rd floor of the 1899 building, dimensions 41 x 36 x 12 feet. Like the other hall it too is neatly carpeted, handsomely papered, furnished with nice chairs, debaters' tables, secretary's desk, president's table and chair, wall pictures, 6 wall brackets and four four-light chandeliers, furnishing a total of 22 gas jets. There is a piano in this hall also. As in the case of the other society, all furniture and furnishings except the plumbing and the piano were paid for by the society.

There is no feature of the life and character of the school that is of greater value to it than these literary organizations.

**ZETA RHO EPSILON:** A society open to those who have completed a minimum of one term's work in Greek at Marshall College, was organized in September, 1905. Its chapter roll in June, 1906, numbered 46. It is a social organization, designed to foster among

its members the true college spirit, and to advance the interests of the Greek department. It is not a secret organization or a "fraternity" in the technical sense. At its first annual banquet, May 25, 1906, 30 were present. Its colors are old gold and black.

### CHRISTIAN ORGANIZATIONS.

**THE YOUNG WOMAN'S CHRISTIAN ASSOCIATION** was organized in the fall of 1903 and has grown gradually and substantially since that time. The meetings are held in the parlors of College Hall, 4:30 to 5:30 p. m. on Sunday. The first half hour of the service is Bible-class work and is under the instruction of a lady member of the faculty. (Miss Rider served during most of the year). The last half hour is given up to devotional exercises and is under the direction of a member of the organization, who must be a student of the school.

The influence of the Y. W. C. A. on the life and discipline of College Hall has been something remarkable, and its good effects have permeated the life of the entire school.

**THE YOUNG MEN'S CHRISTIAN ASSOCIATION** was organized in January, 1905, and immediately took rank as an important feature of school life at Marshall College. Eighty-five were enrolled during the year and the interest shown exceeded the hopes of those who figured in the organization. In every way it has been a success, and has added an influence altogether wholesome to the work of the school.

**THE YOUNG MEN'S BIBLE CLASS** seems to us an extremely valuable auxiliary to the school work here. Its relation on the one hand to the Christian life of the student body, and on the other to the literary and historical attainments of our young men, cannot but prove in every way useful and wholesome.

This work is separated into two divisions and placed under the instruction of two of the gentlemen members of the faculty, (during the past year under Professors Franklin and Fitzgerald). To encourage this work quite an amount of expensive and valuable literature has been placed at the disposal of this and the Y. W. C. A. during the session of 1905-'06, among which is the new Jewish Cyclopaedia, 10 volumes, costing \$96.

The Y. M. C. A. work proper and the Young Men's Bible Class are entirely distinct organizations.

### COUNTY ORGANIZATIONS.

Most of the counties, especially those having larger delegations

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here, have their own organizations, elect officers, and are beginning to take an active part in the student life and discipline of the school, to the decided relief of the principal. Some of them take an active and exceedingly valuable part in the field work of the school to the great relief of the principal as well as to his extreme delight.



## PART XIV.

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### SOME ADVANTAGES AT MARSHALL.

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**SCHOOL BUILDINGS:** These are located in the center of the school grounds on an elevation of about 20 feet above the surrounding streets, overlooking the entire grounds, a wide area of the city, the Ohio hills on the north, and the West Virginia hills on the south.

With the addition of the new building our school edifice now consists of a series of five buildings solidly connected, a continuous hallway extending from one end to the other.

The buildings have their main frontage on Third avenue and north Sixteenth street.

The Third avenue or north frontage is about 400 feet in length and faces the Ohio river, two blocks distant, with the fine range of hills that fringe its banks on the Ohio side.

The Sixteenth street or west frontage is 140 feet in length, facing the main part of the city.

The secondary frontages are the College avenue or south frontage, 400 feet, and the Seventeenth street or east front, 55 feet.

The two eastern sections of the buildings, composed of the wings, 26 x 55 feet, 40 x 70 feet, and 40 x 73 feet, compose the lecture and dormitory sections known as College Hall. Between these and the other sections there is a heavy brick wall with no openings in it above the first floor.

The three western sections are given up exclusively to science work. These are, respectively, beginning with the most eastern, 70 x 78, 55 x 84, and 101 x 140 feet. All have been built since 1897, excepted, and that one was thoroughly overhauled inside and out in 1899, thus making the entire series new and up-to-date, in their appointments.

**SCHOOL GROUNDS:** The school grounds, located between Third avenue on the north and College avenue on the south, and between Sixteenth street on the west and Seventeenth street on the east.

east, two city blocks in length and one and one-half blocks in width, contain even sixteen acres of land, for which nature has done as much, perhaps, as for any school grounds of their size in the United States, toward adapting them for the purpose for which they have been appropriated. The elevated center, seemingly intended to receive some royal palace, extends from within 200 feet of the west end, where the summit of the somewhat abrupt but extremely graceful incline from the Sixteenth street level is crowned with a large widespreading beech and some smaller trees ten to twelve inches in diameter, eastward 600 feet where it terminates in a deep terrace thirty feet high, which terrace serves as the west bank of a deep ravine. This ravine, or brooklet, enters the grounds at the south-east corner and winds its way in deep, graceful curves north-westward through the grounds, lined throughout its course with noble trees varying in diameter from ten to thirty inches. It is the beautiful curving of the deep banks of this brooklet, fringed with stately trees and covered with verdure, especially at its north-western portion, that Dr. Goss, of Cincinnati, thought the most beautiful spot he had ever seen on a College campus. This brooklet, with an arm extending eastward and covered with over fifty trees, forms the eastern boundary of the elevated center of the campus referred to above. Beyond the ravine and about twenty feet lower than the elongated elevation of the center, to the eastward, are the young men's athletic grounds, about four acres, and almost entirely level. The northern Third avenue frontage descends by a steep, carefully cultivated terrace some twenty feet from the high central portion, and from the foot of the terrace to Third avenue it is nearly entirely level. On this portion are the main entrance, (a brick walk twelve feet wide), sixteen of the finest old trees, the croquet court, and one of the tennis courts. To the south of the rise extending east and west through the center, the grounds slope gently to College avenue, this section being a little wider than the northern frontage. The drive-way starts from College avenue, about the middle from east to west, comes at right angles to the buildings, curves gracefully around the large sycamore at the immediate south of College Hall, and retraces itself. The eastern portion of the south side is given up to the girls' basketball grounds.

Besides over 100 small trees, chiefly sugar maple, planted within the last five years, and the shrubbery scattered over the Third avenue front, there are the following trees: Pawpaw 1, unnamed 1, cherry 1, blackberry 1, weeping mulberry 2, ash 3, locust 3, poplar 3, sugar 4, hickory 4, gum 6, oak 11, beech 23, lombardy poplar 25, sycamore 36, total 67; total 182, more than 100 of which are large trees, and few of the 182 are less than eight to ten inches in diameter.

Paralleling the longer dimensions of the grounds, (the eastern-western dimension), and but two city blocks to the north, is the

Ohio river; one block nearer on the same side is the B. & O. Railway, and bounding the northern front is Third avenue, 100 feet wide, on which is the Camden Interstate Railway, (electric), connecting the College with all parts of the city, with Guyandotte four miles to the east, Central City four miles west, Ceredo eight miles west, Kenova ten miles, Catlettsburg, Ky., twelve miles, Clyffeside Park, Ky., sixteen miles and Ironton, Ohio, twenty-one miles west, student from which centers and from the intermediate smaller towns landing from this, one of the finest electric roads in the United States, at the very gate of the College. This electric line brings Marshall College in immediate connection with the homes of about 75,000 people.

To the opposite side of the grounds, (the College avenue or south side) and three blocks distant, is the C. & O. Railway, and but one and one-half blocks distant is the Sixth avenue branch of the Camden Inter-State Railway.

**LECTURES:** A first-class lecture course is given every winter including lectures by some of the best speakers in the country and several musical numbers by leading artists. We consider this especially fine feature of school life at Marshall. From this source alone there is quite an education for young people which cannot be had in smaller towns and schools.

**LITERARY SOCIETIES:** The benefit to be derived from this source can scarcely be appreciated by one who has not had these opportunities, or has not availed himself of them. This is a very important part of one's education.

For a description of these societies at Marshall, see under heading, Student Organizations, Part XIII.

**LIBRARY AND READING-ROOM:** This, beyond question, is the strongest advantage a good school has to offer, (excepting alone the faculty), over schools that do not have good libraries, for nothing except good, strong, well-educated, college-trained teachers is so important in one's education, as a fine collection of books.

Nobody who knows what a good library is has ever visited and examined the library of Marshall College who has not been "struck" with the fine assortment of books found in it; and when they have learned how these books were selected they at once understand that the collection is a rarely good one.

There are about seven thousand volumes in the collection besides a large number of valuable pamphlets, maps, etc.

The new building contains admirable library quarters, a suite of rooms of about 36 x 75 feet in floor area, which will be furnished with every convenience needed by the students.

The library is catalogued by the Dewey system and is in charge of a trained and exceptionally kind and capable librarian.

THE READING ROOMS are regarded as an essential part of the library, their purpose being to afford opportunity for reading and reference work in the library proper, also to give the students access to the finest magazines published, a very fine list of which is placed on the tables of our Reading Rooms as will be seen by the following:

**Magazines and Other Periodicals Found on the Tables of the Marshall College Reading Rooms:**

- . Amer. Journal of Psychology
- . Amer. Journal of Sociology
- . Amer. School Board Journal
- . Atlantic Monthly
- . Bird Lore
- . Birds and Nature
- . Bookman (British)
- . Bookman (American)
- . Bookseller (British)
- . Century
- . Colliers Weekly
- . Cosmopolitan
- . Country Life in America
- . Critic
- . Current Literature
- . Dial
- . Die Woche
- . Dun's Review
- . Edinburg Review (British)
- . Educational Review
- . Etude
- . Everybody's Magazine
- . Floral Life
- . Fortnightly Review (British)
- . Forum
- . Good Housekeeping
- . Harper's Bazaar
- . Harper's Monthly
- . Harper's Weekly
- . Independent
- . International Journal of Ethics
- . Journal of Geography
- . Journal of Geology
- . Journal of Pedagogy



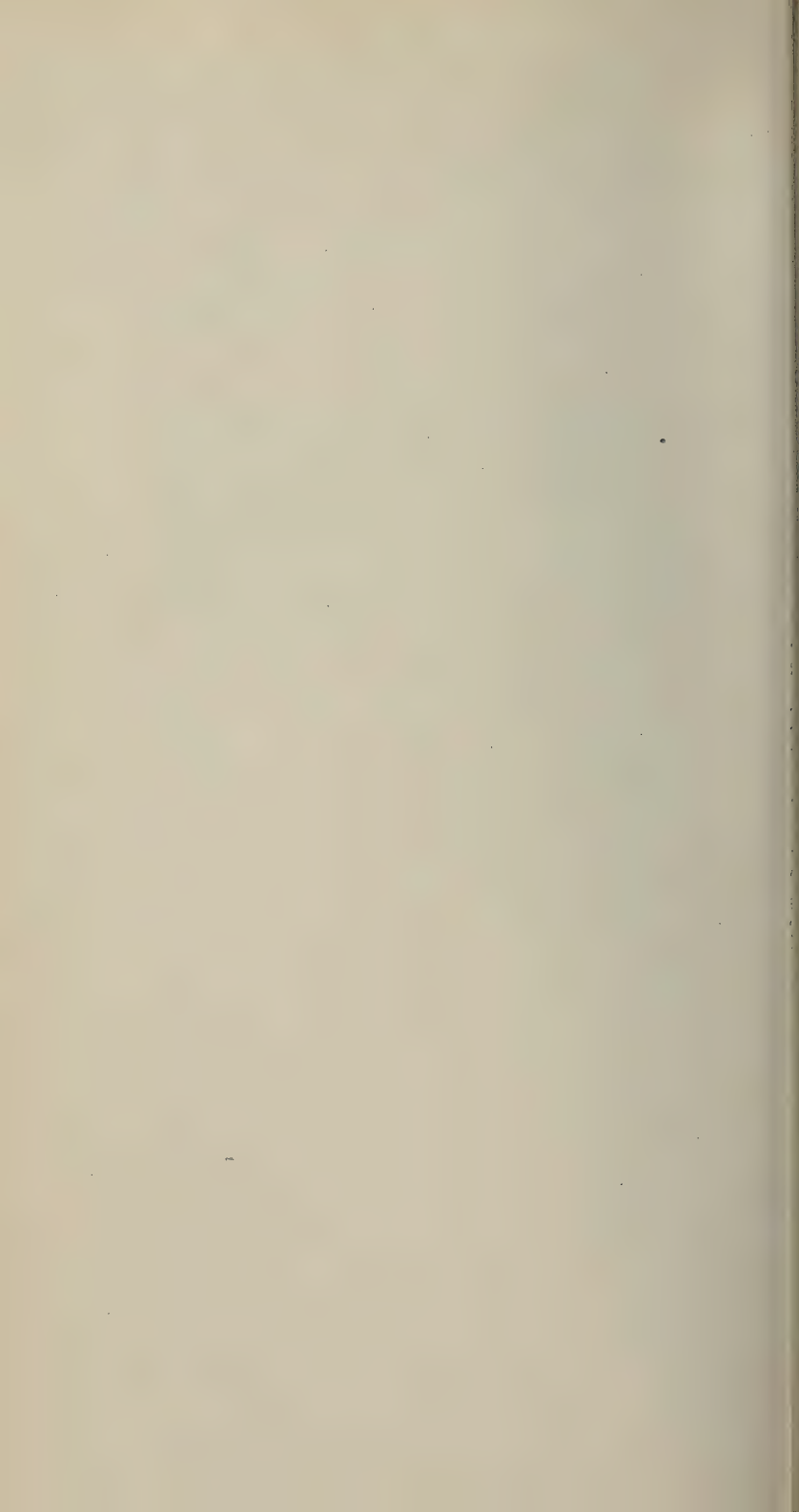
35. Ladies Home Journal
36. Library Journal
37. Literary Digest
38. Monist
39. Musician
40. Musical Courier
41. Munsey
42. McClure
43. Nation
44. Nation (German)
45. National Geographical Magazine
46. Nature Study
47. N. Y. Teachers' Monograph
48. Nineteenth Century (British)
49. North American Review
50. Outlook
51. Pilgrim
52. Poet Lore
53. Political Science Quarterly
54. Popular Astronomy
55. Popular Science Monthly
56. Psychological Review
57. Public Opinion (American)
58. Public Opinion (British)
59. Review of Reviews (American)
60. Review of Reviews (British)
61. Saturday Evening Post
62. Scientific American
63. Scribner
64. Success
65. Teachers' College Record
66. Theatre
67. World's Events
68. World's Work
69. World Today
70. Youth's Companion
76. Six Daily Newspapers
96. Twenty Weekly Newspapers

**LABORATORIES AND APPARATUS:** The practical teacher, especially in history, geography, the sciences, Latin, and Greek, knows very well the difference between teaching with and without apparatus such as maps, charts, casts, etc., and the science teacher realizes at once how poorly almost any science is taught without a laboratory. The student, too, who has seen the difference feels that science teaching



CHAMPION INTER-CLASS (1908) BASE BALL TEAM





ing without laboratory facilities is not science at all, but the theory of science.

In planning the new building, we have diligently looked after this feature for the future. In the new structure is one work laboratory 28 x 32, and another 28 x 60. In addition to these there are a geography, physical geography, geology, astronomy, and botany laboratory and museum, with cases for keeping all specimens labeled, classified and in order, and a physiology and zoology laboratory and museum.

Our already large collection of fine maps for the history, geography, Latin, Greek, and other classes is to be added to and the collection nicely housed and classified.

Several hundred geological specimens have been selected and will be ready for placing in the cases as soon as the new building is complete.

Indeed the new building with its ample space is destined to revolutionize the work in science at Marshall College, and several other lines of work will be greatly improved because of new facilities.

**INSTRUCTORS AND INSTRUCTION:** At last the instructor, his character, his culture, his scholarship, his sympathy with his students, his interest in his work and in them, his enthusiasm, his pedagogical skill and training, his experience, his devotion to his work, his ability to do work as well as insist upon it, his qualifications for his particular kind of work, to do thoroughly well the work he is expected to have his students do, his measure in scholarship above and beyond the things he teaches, all these are, in the last analysis, the test of a school. Unless there is broad, liberal college training covering some years brought by the teacher to bear upon his class work there is no genuine progress.

Scholarship we do insist upon at Marshall, and with it experience and skill. We have not always gotten it but mistakes will always be made while man remains human. Each year we insist on strengthening our faculty, and year by year it has been strengthened.

The reader is welcome to refer to the list of instructors with their experience and training as recorded in the first part of this catalogue, and if they do not stand the test, then come not to Marshall, for good, well educated instructors are indispensable to the education of youth. No instruction can be gotten out of an instructor, which was never gotten into him, no matter what the process be, whether pumping or probing. It is simply impossible. So, see to it carefully, kind reader, before going to or sending to a school, that the instructor is a thoroughly educated lady or gentleman.

**SUMMER SESSION:** Immediately after the close of each "ten months" session a summer session is opened, thus giving those who are teaching seven to nine months, and those who have work to make

up in order to hold their places in their classes, opportunity to gain time. Some of our students save one to two years' time in their course by taking the work of the summer session, credit for all which is given on graduation. This session is five weeks, or half a term, in length; students carry half as many studies as during a full term and do twice the amount of work per day in each, thus coming out with full terms work in what they do.

**SPECIAL ADVANTAGES TO TEACHERS:** The "Training Department for Teachers" is now thoroughly established, the Model school includes all grades from the "first primary" to the "high school," and practice work is given also in high school work, thus covering practice work for teachers from the lowest to the highest grades of the public schools, whether in the country, village, town or city schools.

The advantages offered teachers and prospective teachers in the way of meeting with other teachers from every part of the state and from many parts of other states is one that is very valuable. These, plus the advantages named above and those named below make this school especially attractive and helpful to teachers.

**ATHLETICS:** Outdoor athletics have already begun to receive that attention which young people in school should give them both for the good of the students, physically, and for the school's good name for encouraging exercise among its student body. A large number of the students have begun to show a lively interest in athletics and each year a larger number identify themselves with the active work therein. And now that the school is to have a good gymnasium, opportunity will be given all students for exercise in the stormiest and rainiest weather, whether in winter or in summer.

**SOCIAL OPPORTUNITIES:** This feature of school life is of very much greater importance than the average young person, or the average parent for that matter, is apt to suppose. The student who goes through with his higher education without paying careful attention, very careful attention to the social side of his culture, neglects one of the essentials of education.

These things are supposed to belong to girls and women only. What a mistake! Young men are failing to "measure up" to hundreds of good positions every year solely because of their lack of good address, of self-possession, of ease and self-command in the presence of strangers, of appearing to advantage "under pressure." Man is by nature the most social of animals—if he be a normal man,—and every year the social requirements of men and women for any position in life grow more exacting.

At school is the place of all places that one's social life should

developed, and this cannot be done without opportunity and time.

The size and location of Marshall College make the advantages of social life especially good here, and these opportunities are not over-rated nor overdone as they are in "fashionable schools," schools where the social is about the only thing emphasized.

**RELIGIOUS OPPORTUNITIES:** In Huntington and in Marshall College these are especially good. In the city are thirteen churches for white people; Two M. E. churches, two M. E. South, two Baptist, one Christian, one Jewish, one Congregational, one Catholic, one United Brethren, one Episcopal, and one Presbyterian.

All these are especially cordial in their welcome to students of the college, and in practically all the church choirs are found one or more students. Hundreds of them attend the Sunday Schools of the city, a number of classes being composed exclusively of students; and every year a number of church socials are given especially for the students, where they meet the church people and learn to feel at home among them.

In the college are the two Christian organizations,—the Y. M. C. and the Y. W. C. A.,—which have their own religious exercises in the college; also the student's Bible Study classes. These organizations are open to students only and have grown to be strong influences for good in our college life here.

The Christian spirit throughout the entire school is of an exceptionally high class,—solid, substantial, high-toned, and not merely a passing sentimentalism born of church prejudice or of inherited superstitions which are dignified with the term "beliefs."

**FINANCIAL OPPORTUNITIES:** The opportunities for earning a part or all their expenses, as well as the many ways in which students may economize, constitute one of the attractions of this school for young people. Such opportunities are very limited, of course, in smaller towns; but Huntington has grown large enough to furnish those who wish something to do to help pay their expenses, some aid of employment.

Quite a number of our students pay all or a part of their expenses engaging in some kind of employment here, either during the school year, or during vacation. Several of these do their work as assistant janitors, others find employment in the city.

**HOSPITALS:** There are three hospitals in the city,—the C. & O. Hospital, the Huntington Hospital, and the Kessler Hospital.

Only those who have had to be severely ill away from home can appreciate the value of a hospital with its appointments and equipments suited for caring for the sick and the injured. The value of kind, trained nurses and skilled physicians means much to those



who are severely ill away from home, and a number of our student can testify to these as advantages of a rare kind.

**TRAVELING FACILITIES:** The city is reached by three railroads direct, and two others unite with Huntington railroads within eight miles of our city and make immediate connections. These, with the Ohio river, make our school city one of the most easily accessible points in the state.

**TELEGRAPH AND TELEPHONE:** There are two telegraph companies and two telephone companies with foreign connections reaching every part of our state, of the United States for that matter, and which are connected with the college, the 'phones directly, the telegraph companies by telephone from their city offices to the college so that parents and friends may reach students here at any time during the day and till late at night.

**SOME ADVANTAGES OF A CITY:** Carefully, even critically have we watched and studied the relative advantages of city and small town or village, on the life and work of a school. We have taught in both places and attended college in both places. We have talked with many men and women, both in and out of school on this subject. The following are the results of this study:

1. The small town with its unlicensed saloons ("speak-easies" or even the town into which intoxicants are smuggled (and this means practically all so-called "dry" towns), is worse cursed with drinking and drunkenness among the students than the larger place with its open, licensed saloons; and we are of opinion it will remain so so long as there is a whiskey plant or a saloon to supply the sneaky drinker and smuggler of intoxicants in the smaller places. This is no argument for the saloon, but a statement based upon observation for years which has for its point in a temperance way the theory that the effective stroke at intemperance is the stroke that puts the saloon and the speak-easy out of business by putting the whiskey, rum, and beer plant out of existence; if the latter cannot be done, then regulation and not destruction seems to us the solution of the temperance problem.

2. In the smaller places the school's affairs and business are entirely too much the town's affairs and the town's business. Gossip and mischief-making between the school and the town become the order, and the bane of the teacher's and principal's or president's life.

In the larger place the life of the school is a thing apart and independent of the city,—though a part of it by individual assimilation here and there, at so many points and these so far removed from the heart of the school, that unpleasant reactions are virtually unknown. The healthful influence of a good teacher counts for more on



students in a large place than in a small one, because the school life is more completely an independent and individual entity where the city is so much larger than the school that it is independent of it as a civic entity.

This view, carried to its logical completeness, however, requires the dormitory feature.

3. The advantages for culture and refinement in a city much more than offset the boasted advantages of quiet and seclusion in smaller places.

4. We grant that the city has its vile quarters or sections, but observation teaches us that many scarlet women housed in a particular quarter of a city, which quarter cannot be approached day or night without suspicion and danger of publicity, exert a less baleful influence over men, young or old, than few or even one such person who has made herself notorious in a small place and is subject for comment on all sides.

On the whole the city seems to us the more desirable place for an institution, for many reasons besides those named, and our convictions are drawn from sources other than self-interest.

**EXPENSES:** Beyond question the facilities for cheap board and for means of earning a part or all of one's expenses, are much better in a city than are possible in smaller places, as are also the opportunities for purchases.

True, there are more ways to spend money in a city; but even that is matter easily regulated by the parent; and if the student have plenty of funds of his own he will spend them, if a spendthrift, no matter where he is, and will save them if economic, no matter whether in city or country. This fact has been clearly demonstrated in our experience and observations with young people.

## PART XV.

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### ATHLETICS.

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After several years of tireless effort, patience, pains, time in liberal measure, and good management on the part of the Athletic Committee, this branch of college life and college study—for college athletics is a study—has begun to take place alongside other branches of school work—for athletics is work too—at Marshall College.

The new gymnasium supplies a long and seriously-felt want in college life and will be enjoyed to the utmost, especially during the months when outdoor athletics are out of the question. A floor area of 45 x 65 feet affords ample space and the room is to be fitted with all of the appliances found in any modern school gymnasium.

A physical instructor will be provided for the girls and hereafter they will have regular drill.

**TENNIS:** This is one of the finest games yet brought forward, especially for ladies and for men who prefer the moderate forms of exercise. It is as modest as any one could desire, requiring no special dress, though long skirts are much in the way. It combines in very good proportions the out-door feature, vigor, ready judgment, alternation among players, and an air of the popular. There are twelve nice courts on the campus and these are very liberally used. Every girl should play tennis as an intellectual game which combines the physical in excellent ratio, yielding fine results.

**CROQUET:** There is one croquet court on the campus, which serves quite well the taste of all whose likes for outdoor sport can be satisfied with as little of the vigorous as this game requires. It is very popular with some students.

**FOOTBALL:** The athletic association for the season of 1901 secured the services of Coach Alfred McCray, former captain of the

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University of Cincinnati football team. A strong squad was organized from the material at hand. All local and nearby competitors were easily defeated. In the intercollegiate games Marshall lost to Kentucky State College and Miami University but won from Ohio University. The expenses for the season amounted to twelve hundred dollars.

**BASEBALL:** Interest in baseball at Marshall during the season just ended centered in the class championship series, which was won by the class of 1908, the trophy awarded being the Davis Athletic Cup. Four classes competed and the rivalry proved intense. The school squad numbered about fifty candidates.

## PART XVI.

### THE FACULTY

#### THEIR EXPERIENCE, AND PREPARATION FOR WORK.

Session 1906-'07.

**L. J. CORBLY, Principal,—German and Psychology.**

Educated in the common schools of West Virginia, Fairmont State Normal School, the West Virginia University, where he graduated in 1890, and at the German Universities of Halle, and Berlin. Taught eight years in country schools, three years principal of town schools, Superintendent of schools, Water Valley, Miss., two years, Superintendent of schools, Clarksburg, W. Va., three years, and ten years in present position. Spent four summers in European travel. Has taught 10 months.

**MRS. NAOMI EVERETT, First Assistant,—Literature and French.**

Educated in the common schools of North Carolina, Tennessee, St. Benvenille Seminary, and the University of Chicago, where she took her degree in 1902. Principal of the high schools of Clarksburg and Huntington 16 years, in her present position nine years. Has taught 34 months. Mrs. Everett has traveled in Europe.

**MISS ANNA CUMMINGS, Superintendent of the Training Department**

Educated in the common schools of Massachusetts, in Colby University, University of Chicago, and Leland Stanford University, Cal. Took her degrees from Colby University, Maine. Teacher in private schools, high schools, academies, Moody's School for Boys, Mt. Vernon, Mass., Lady Principal of Vermont Academy, Vermont, and six years special training for her present position. Miss Cummings is a native of Vermont, later a resident of Massachusetts. She has traveled in Europe. Has taught 156 months.

**MISS LILIAN HACKNEY, Mathematics.**

Educated in the common schools of West Virginia, W. Va. University, where she graduated in 1893, at the Ohio Wesleyan University, and Cornell University. Taught in the schools of her native county (Montgomery), city schools of Cleveland, Ohio, and in her present position since 1895, total 145 months. She has traveled in Europe.

**MR. W. M. MEREDITH, Science.**

Educated in the common schools of Virginia, Emory and Henry College, Virginia, University of W. Va., and Ada, Ohio. Taught several years in the common schools of Virginia, principal of schools at Lewisburg, W. Va., and in his present position since 1898, a total of 149 months. Mr. Meredith spent the summer of 1903 in European travel.

**MISS HARRIET D. JOHNSON, Greek and Latin.**

Educated in the common schools of W. Va. and Ohio, Denison University, Ohio, where she took her degree, and the University of Chicago. Instructor in Shepherdstown State Normal eight years, and in her present position since 1902, a total of 120 months. Miss Johnson spent the summer of 1903 traveling in Europe.





COUNTY GROUPS





**MR. J. A. FITZGERALD, Mathematics.**

Educated in the common schools of W. Va., Marshall College and Georgetown University, Ky., where he took his degree. Principal of the Hurricane schools one year and in his present position since 1902. Has taught in all, 50 months.

**MR. GEORGE M. FORD, History and Civics.**

Educated in the common schools of W. Va., and at the University of W. Va., both academic and department of law, where he took his degrees. Taught in the common schools of W. Va., in the Grafton high school, and three years as principal of the Concord Branch of the State Normal School; elected to his present position in June, 1903. Has taught 100 months.

**MR. B. F. WILLIAMSON, Latin.**

Educated in the common schools of W. Va., Buckhannon Seminary, and at Alleghany College, Pa., where he took his degree. Has taught 49 months. Has been in present position two years.

**MR. R. J. LARGENT, English and History.**

Educated in the common schools of W. Va., and at the University of W. Va., where he spent six years and took his degree. Elected to his present position, January, 1904. Has taught 26 months.

**MRS. FRANCES CALDWELL, English and Mathematics.**

Educated in the schools of West Virginia and of Kentucky, in which latter State she did her college work. Has taught in the common schools, in the Charleston City Schools, in the Concord Branch of the State Normal, and two years in Marshall College.

**MISS FRANCES BURGESS, Political and Physical Geography.**

Educated in the common schools of West Virginia, Marshall College (graduated here), W. Va. University and the University of Chicago. Taught 12 months in the country schools of Kanawha county, W. Va., 12 months in the St. Albans grammar school, three years in the Huntington high school, and ten years as principal of the Holderby school, of this city, a building of fourteen rooms, a total of 148 months. Miss Burgess is attending school at the University of Chicago this Summer. Has held her present position two years.

**MISS VIRGINIA RIDER, English Grammar.**

Educated in the common schools of West Virginia, in the Buckhannon Seminary, where she also taught, and in Alleghany College. She has taught 16 months in Marshall College.

**MR. W. H. FRANKLIN, English and German.**

Educated in the common schools of West Virginia, graduate of the Buckhannon Seminary, also of Allegheny College where he took his A. B. degree. Has taught in the common schools and two years in the Clarksburg High School as instructor in Greek and German.

**ROLLA HAMILTON.**

Graduate of Marshall College. Has taught 45 months.

**MISS DELIA BRAKE, Grammar.**

Graduate of West Virginia Conference Seminary. Has taught 50 months.

**E. E. MYERS, Art.**

Educated in the schools of Ohio and Pennsylvania, and trained for his profession in the Art Schools at Pittsburg, Cincinnati, New York and Boston. Called to his present position in 1902. Taught several years, and connected with the Abbott Art Company of Huntington for five years. Lecturer at the Tri-State Chautauqua, on art, summer session of 1904.

**MISS GRACE CUMMINGS, Normal Music.**  
Pupil of Boston Conservatory of Music.

**MISS VERGIE JOHNSON, Grades V, VI.**  
Trained at Marshall College. Has taught 35 months.

**MISS ELIZABETH FERGUSON, Grades III, IV.**  
Graduate of Columbus High School. Trained at Marshall College.  
Has taught 30 months.

**MISS MINNIE OGDEN, Grade II.**  
Trained at Marshall College. Has taught 20 months.

**MISS EVA HEIRONIMUS, Grade I.**  
Educated in Ohio. Trained at Marshall College. Has taught 20 months.

**MISS DAINTY CRAIG, Art.**  
Educated in the Marshall College Art School and at Knoxville, Tenn.

**MISS HELEN TUFTS, Music.**  
Educated at Marshall College.

**MISS ESTHER CROOKS, Assistant in French.**  
Graduate of Marshall College.

**MRS. C. E. HAWORTH, Voice.**  
Educated under private tutors in New York and Boston, the best instructors in voice that could be had. Has taught several years. Mr. Haworth is a Springfield, Mass., lady, has had liberal training and experience as teacher, and has taught four years in Marshall College.

**MISS RHODA CRUMRINE, Piano and Harmony.**  
A graduate of the University School of Music, where she taught one year before coming to Marshall College. A native West Virginian of German descent. She has held her position since September, 1903.

**MISS MARY SHARP, Assistant in Piano.**  
Received her training under private instructors and in Marshall College. Called to her present position in the fall of 1904.

**MISS HELEN RANDALL, Second Assistant in Piano.**  
Received musical education at Marshall College.

**MRS. BERTHA ROTH WALBURN, Violin.**  
Studied under Jose Marien, Belgian violinist, in the College of Music Cincinnati, also theory in the same school, six years, graduating 1902. Taught in same institution awhile, later three years in Knoxville, Tenn., and in Huntington, W. Va.

**MISS LUCIE BROWN.**  
Graduate of University School of Oratory. Has taught 20 months.

**MRS. ELIZABETH MYERS, Librarian and Manager of the College Book Store.**  
Educated in private schools of Richmond, Va., and Chatham Institute, Va. Trained for her present work in the Dewey system of cataloging and handling a library, under the state librarian of Pennsylvania. Mrs. Myers could not be called a member of the faculty in a strict sense of the word, though her time is nearly all given up to work for the students, assisting and directing them in their references and reading; and it is doubtful if any member of the faculty has heavier or more responsible duties.

## PART XVII.

### STUDENT'S NAMES--978.

#### GRADUATE STUDENTS.

K. Alberta--'05  
 books, Esther--'05  
 vidson, Joe--'05  
 slow, Sadie--'03

Foley, Bessie--'03  
 Gibson, Anna--'04  
 Harshbarger, Maud--'05  
 Miller, Blanche--'04

Nichols, Clara--'05  
 Porter, Dorothy--'02  
 Senseney, Nelle--'02

#### CLASS OF 1906.

en, Bertha  
 ry, Mary  
 ssinger, Harry  
 ey, Harold  
 tman, Lillian  
 , Norma  
 trill, D. L.  
 oks, Esther  
 isman, I. L.  
 , Sidney  
 ny, Ernest  
 ards, L. A.  
 is, Ruby  
 hman, Effie

Fling, Eva  
 Furnell, W. W.  
 Gilman, Bertha  
 Gautier, Claude  
 Gorrell, Ralph  
 Grimm, Bruce  
 Grimm, Claude  
 Groves, H. D.  
 Hickel, Corda  
 Humphreys, Sallie  
 Kanode, Hilda  
 Kerr, Isabel  
 Leete, Grace  
 Lewis, Anna  
 Lively, E. L.

Love, Edward  
 Marcum, Matie  
 Marsh, Nannie  
 Mobus, Anna  
 Morrow, Paul  
 Myer, Eva  
 Price, Janie  
 Sliger, Garnet  
 Smith, W. A.  
 Sullivan, Mae  
 Thomas, T. C.  
 Tomkies, Elbert  
 Van Bibber, Cyrus  
 Wells, Lew

#### CLASS OF 1907.

ott, A. B.--A  
 ns, Pearl--N  
 s, Sadie--A  
 vick, Addie--A  
 s, Hazel--A  
 inger, Ruth--A  
 dwater, C. L.--N  
 nt, V. A.--N  
 son, Gertrude--A  
 erbury, Frances--A  
 r, Edna--N  
 e, Hallie--N  
 ley, Roscoe--N  
 mmett, Mahala--N  
 es, Edith--N  
 s, Talmage--N  
 , Carroll--N  
 t, Sadie--N  
 , Anna--N  
 s, Gorgia--N  
 tt, R. T.--N  
 r, Maude--N  
 erald, Boyce--A

Fitzgerald, Sallie--N  
 Foster, Olive--A  
 Gerlach, Earl B.--A  
 Goff, W. R.--N  
 Gorrell, Gretta--N  
 Grass, Frank--N  
 Hoover, L. G.--A  
 Hambrick, Vada--A  
 Hawley, John L.--N  
 Haebrle, Anna--N  
 Henson, Waldo C.--N  
 Howard, Mary E.--N  
 Huff, Ethel--N  
 Jackson, Ethel--N  
 Johnson, Virgie--N  
 Koontz, A. B.--A  
 Lambert, J. W.--A  
 Lambert, Thomas--N  
 Larew, Genevieve--N  
 Lee, C. F.--N  
 Lilly, Cecil--A  
 McNeer, Thomas--A  
 Miller, Vida--N

Morrow, Lester--A  
 Patterson, Sulla--A  
 Penhale, Harry E.--A  
 Price, Kathleen--N  
 Point, Walter--A  
 Robinson, Shirley--A  
 Rodes, Bertha--N  
 Rodes, Olive--N  
 Sharp, S. H.--N  
 Shumate, Gaston--A  
 Smith, Hazel--N  
 Swentzell, Harriett--N  
 Tench, Daisy--N  
 Torrance, Andrew--A  
 Tufts, Helen--N  
 Vass, W. T.--A  
 Waddell, Ethel--A  
 Wade, Charlotte--N  
 Wheat, S. S.--A  
 Wilson, Maude--A  
 Wolverton, W. R.--N  
 Wolverton, H. W.--N

Note: N--Normal.  
 A--Academic.

## UNCLASSIFIED.

- Abbott, J. H.  
 Adams, Morton M.  
 Adams, Hannah  
 Adams, Norton  
 Adams, P. B.  
 Adkins, Oscar  
 Adkins, Mabel C.  
 Adkins, F. B.  
 Adkins, O. M.  
 Adkins, June  
 Allen, Nellie  
 Allen, Ora May  
 Allen, Alice  
 Allen, Howard  
 Archer, J. R.  
 Archer, Mrs. R. A.  
 Archer, Lida  
 Andrews, Anna  
 Andrews, Ralph  
 Anderson, Ollie M.  
 Alderson, Coleman  
 Anderson, Coleman  
 Atkinson, Ollie E.  
 Aliff, C. A.  
 Armstrong, Ira F.  
 Atkinson, Allie  
 Ash, E. C.  
 Ash, Russell  
 Ashley, Agnes  
 Albott, Louis  
 Athey, Agnes  
 Bagby, Helen  
 Bagby, Leland  
 Baker, Edgar L.  
 Ball, Sybil M.  
 Ball, C. D.  
 Barber, Samuel  
 Baber, Florence  
 Brown, Anna B.  
 Brown, Lucy  
 Biggs, Mrs. Samuel  
 Biggs, R. W.  
 Beswick, Clyde  
 Burgess, Grace  
 Burgess, Estella  
 Beavers, D. W.  
 Beavers, Robert D.  
 Beaver, Louise  
 Boiarsky, Moses  
 Boiarsky, Anna S.  
 Biederman, Jacob  
 Bobbitt, O. B.  
 Bobbitt, R. H.  
 Bradley, S. Ernest  
 Brown, John W.  
 Buchanan, Wm. H. Jr.  
 Breece, Roy  
 Bierre, Oscar  
 Blake, H. S.  
 Ballard, R. H.  
 Bradford, J. B.  
 Blake, Lonnie  
 Blankenship, D. H.  
 Baldwin, Lottie V.  
 Beavers, Lula  
 Best, Marie  
 Bias, Goldie M.  
 Bias, Ona  
 Bing, Nellie  
 Bishop, Flossie  
 Black, Daisy  
 Blackburn, Virginia  
 Bromley, Pearl T.  
 Burton, Judith V.  
 Burgess, Kate  
 Beech, Kathleen  
 Branthoover, Virginia  
 Buck, Nadine  
 Boon, Mrs. J. R.  
 Brake, Delia  
 Beckelheimer, Ray  
 Byus, C. A.  
 Boggs, R. W.  
 Bradford, J. B.  
 Bishop, Nannie  
 Brackman, J. A.  
 Beckett, Mamie  
 Burns, Maude  
 Bonham, G. A.  
 Boone, Kate  
 Ballard, Edna  
 Boggs, E. T.  
 Biederman, Anna  
 Bonar, Jennie  
 Boig, Eleanor  
 Bright, George  
 Caldwell, Smith  
 Caldwell, Mrs. F. B.  
 Callaway, Henrietta  
 Callaway, Richard R.  
 Callaway, S. M.  
 Callaway, Pearl  
 Carter, Thelma  
 Carter, Helen  
 Carter, Dayton  
 Carter, Agnes  
 Carr, De Witt  
 Carr, Lola B.  
 Cavendish, Marguerite  
 Cavendish, Virginia  
 Clark, Malan H.  
 Clarke, Harry M.  
 Clark, Grace  
 Clark, Phyllis  
 Clark, Grover F.  
 Clark, Hattie A.  
 Chambers, Leroy  
 Chambers, Anna  
 Chambers, Inez L.  
 Chambers, Cush C.  
 Chambers, Frank  
 Chambers, Luther  
 Cole, James  
 Conley, Frank M.  
 Connell, E. P.  
 Copley, Luther C.  
 Crotty, L. B.  
 Clifford, C. E.  
 Carroll, Madie E.  
 Chapman, Mabel  
 Childers, Lelia  
 Childers, Ester  
 Cliness, Lula  
 Cliness, May  
 Cook, Merla  
 Core, Anna Lee  
 Corbly, Nellie  
 Corbly, Effie M.  
 Corbly, Inez  
 Cottle, Ollie A.  
 Colton, Fannie  
 Colter, Earl  
 Craft, Bessie A.  
 Criser, Mary S.  
 Criser, Pauline  
 Cyrus, Truda  
 Cokeley, Lawrence  
 Cokeley, May  
 Cottle, Addie  
 Campbell, Anna  
 Caughey, Mary Lapsl  
 Cleveland, Marion  
 Corwine, Marie  
 Cummings, Grace  
 Childers, Grace  
 Crum, Frances  
 Cordon, Ruth  
 Cassady, Maude Lee  
 Colley, Verna  
 Curfman, E. R.  
 Clonch, M. Eva  
 Calhoon, Mrs. Louise  
 Cook, J. E.  
 Christian, Anna  
 Christian, Addie  
 Custer, Lizzie K.  
 Cobb, Minnie  
 Cobb, Lillie  
 Cobb, Paul  
 Colter, J. E.  
 Cox, Flossie  
 Cox, Thelma  
 Carson, Estha  
 Crooks, Adaline  
 Conaway, Elsie  
 Conaway, Chelsie  
 Cochran, Chessie  
 Crow, Jesse  
 Crumrine, Daisy  
 Claypool, R. H.  
 Craig, Bonnie  
 Craig, Lillie  
 Craig, Dainty E.  
 Cornaham, Fred  
 Conner, Carrie  
 Curtis, Lockie  
 Curtis, Elsie  
 Curtis, Burnette  
 Curry, Lena  
 Callison, Virginia  
 Creameans, Leona  
 Carson, May  
 Cunningham, Alice  
 Crum, Maude  
 Clay, S. E.  
 Davis, Beulah  
 Davis, Nannie E.  
 Davis, Ivan  
 Davis, Cornelius C.  
 Davis, John R.  
 Davis, Paul  
 Denton, Murrel  
 Dils, Norma C.  
 Dickenson, Genevie  
 Dickerson, Frankie  
 Dickerson, Alice  
 Dickerson, Ida  
 Donaldson, Mary  
 Dunn, Virginia



- Poolittle, Jean  
 Ragley, Byrd  
 Re Fee, Effie  
 Wilson, Wirt  
 Dixon, Clayton C.  
 Ringess, Pansy  
 Rodson, Brooke  
 Rick, Eugene  
 Dixon, Grace  
 Rkey, T. Morton  
 Wilson, Hal  
 Wilson, Harry B.  
 Ross, Howard  
 Ruma, C. O.  
 Rurrtt, Stanley  
 Poolittle, Mac  
 Wilson, Bert  
 Riddle, Raymond L.  
 Riddle, Carroll F.  
 Rubenspeck, H. R.  
 Rurwards, Stella  
 Rurwards, Cora  
 Rurwards, Susie  
 Rurwards, Anna  
 Rurrie, Thos. B.  
 Rurles, Ada M.  
 Rurles, Maude  
 Rurton, Margaret  
 Rurkins, Ethel M.  
 Ruraw, M. H.  
 Rurertt, Hallie  
 Rurans, Sofa  
 Rurign, May N.  
 Rurans, Everett  
 Rurmons, Carlton  
 Rurkey, Willie A.  
 Rurgell, Thayer  
 Rurgers, Eunice  
 Rurwin, Anna  
 Rurwin, Mary  
 Rurkey, Minnie L.  
 Rurans, Saja  
 Rurery, Blanche  
 Rurskine, Lillian  
 Rurign, Mrs. John  
 Rurguson, Howard  
 Rurney, Roy J.  
 Rurster, Willie D.  
 Rurster, John J.  
 Rurk, St. Elmo  
 Rurampton, Bernard  
 Rurher, W.  
 Rurguson, Clarence  
 Rurgerald, Laurence  
 Rurgerald, Thos. J.  
 Rurrell, James  
 Rurarr, Rosalie  
 Rurguson, Mabel  
 Rurd, Blanche  
 Rurzier, Caroline  
 Rurton, Mattie  
 Rurey, Mayme  
 Rureman, Blanche  
 Rurd, Margaret  
 Rurguson, Kathleen  
 Rurguson, Lillian  
 Rurguson, Harriet  
 Rurguson, Elizabeth  
 Rurer, Eva  
 Rureman, Valerie  
 Ruron, Mamie  
 Rurnster, Lula M.  
 Fontaine, Imogene  
 Francis, Stella  
 Folks, Mary W.  
 Ferrell, Muss  
 Foster, Odella  
 Fordyce, Josie  
 Ferrell, Ellen  
 Fravel, J. S.  
 Fonner, Jas. T.  
 Fink, Lochia  
 Fink, Giles  
 Fink, A. Roy  
 Fisher, Bessie  
 Frei, Edna  
 Garland, David  
 Garred, Nellie  
 Garred, David O.  
 Gibson, Philip  
 Gibson, Omar J.  
 Gilmore, Lloyd  
 Graham, Herbert  
 Grimm, Homer  
 Grimm, Mrs. M. J.  
 Grimm, Nellie  
 Guthrie, Frank  
 Guthrie, Herbert E.  
 Germer, Charles  
 Gotshall, James  
 Geyer, Charlie  
 Gabbart, W. T.  
 Garrison, Carlee  
 Goolsby, Myrtle Lee  
 Gooderham, Minnie  
 Gosling, Faith  
 Gotschall, Jennie  
 Groves, Imogene  
 Gwinn, Mabel I.  
 Gwinn, Virginia  
 George, Clarice  
 George, Dorothy  
 Gibbs, Lena  
 Gwinn, Susie  
 Goolsby, Edith  
 Garner, Mary E.  
 Garrett, Zuma  
 Garrett, Texie  
 Goddard, Nellie  
 Grass, Della D.  
 Garner, Helen  
 Goodrich, Charles  
 Given, Ida S.  
 Gwinn, Clarence E.  
 Gibson, Bessie  
 Given, Ada  
 Griffith, Nina  
 Gillespie, Elizabeth  
 Gwynne, Forrest  
 Gwynne, Winona  
 Gibson, James  
 Gautier, Kathleen  
 Garner, Charles  
 Gregory, Jean  
 Hamilton, Chancellor  
 Harold, Christine  
 Hamilton, Grover C.  
 Harless, Floyd H.  
 Hatch, James  
 Hatfield, Roy  
 Hatfield, James  
 Harvey, Harry  
 Haworth, Jamie  
 Hayslip, Edwin K.  
 Hayslip, Leland  
 Herring, Arthur  
 Hickman, James H.  
 Halley, Wilbert  
 Huff, Lee  
 Hedrick, G. C.  
 Hartzell, O. S.  
 Heizer, F. P.  
 Hager, Ira P.  
 Hall, Percy  
 Harless, L. D.  
 Harless, J. D.  
 Haworth, Vinton  
 Hedrick, C. C.  
 Halstead, Lettie L.  
 Hamilton, Frances L.  
 Hanger, Mattie C.  
 Hanger, Annie M.  
 Harrah, Elsie G.  
 Hearholzer, Tressie  
 Heironimus, Eva  
 Henkle, Ada J.  
 Hewett, Irene  
 Hoffman, Ethel  
 Holliday, Florence  
 Hunter, Maude  
 Hunter, Ella  
 Hunter, Marguerite  
 Huntington, Marion  
 Hall, Ethel  
 Hawkins, Louise  
 Hanger, Cleora  
 Holliday, Mary Louise  
 Henson, Jessie  
 Holt, Lena  
 Howard, Mary Ella  
 Hazleton, Edwin  
 Hannah, Belva M.  
 Hume, B. P.  
 Heller, Wm. C.  
 Holley, J. Maude  
 Herring, Beulah  
 Hughes, Mabel  
 Hughes, Florence  
 Hobbs, Lula  
 Hannah, Lucy P.  
 Hannah, Mary F.  
 Hensley, Woodville  
 Haight, W. P.  
 Hensley, Cecelia  
 Hinchman, Georgia  
 Hughes, Eva  
 Howes, Nellie  
 Hodges, Ralph  
 Hereford, Maude  
 Hudkins, Flora  
 Harrah, Essie  
 Hively, G. L.  
 Holliday, Mrs. Lulu  
 Henderson, Lena  
 Hoyt, Jessie  
 Hall, Esther  
 Haudenschild, J. W.  
 Hollings, Pearl  
 Hudspeth, Julia  
 Ironie, H. C.  
 Irwin, Emma L.  
 Isner, G. F.  
 Jones, Edward  
 Jones, Lonnie  
 Jones, Selden  
 Jones, Macon

Jones, Harry  
 Jones, Anna M.  
 Justice, T. F.  
 James, Reuben E.  
 Jewett, Fay E.  
 Jarvis, Stella  
 Johnson, Mildred  
 Johnson, Kate  
 Johnston, Donald  
 Johnston, Agnes  
 Johnston, Gertrude  
 Johnston, Vida  
 Johnson, Ollie K.  
 Johnson, Mrs. Edith  
 Jordan, Sadie  
 Jenkins, Emma  
 Justice, Ella B.  
 James, Mary  
 Jenkins, J. A.  
 Justice, L. C.  
 Justice, Sarah  
 Justice, J. I.  
 Kennedy, John D.  
 Kimler, J. R.  
 Koontz, Emil  
 Keenan, Gladys L.  
 Kelley, Katherine B.  
 Knight, B. W.  
 Koontz, Blanche  
 Kennedy, Marion  
 Keeney, Ethel  
 Keith, T. W.  
 King, Beatrice  
 Knapp, A. L.  
 Kautz, Eleanora  
 Larew, Robert  
 Larew, Maude  
 Larew, Anna  
 Lemley, Fern L.  
 Lorentz, Roscoe  
 Le Sage, Frank  
 Le Sage, Douvel  
 Le Sage, Ruth  
 Le Sage, Lucile  
 Le Sage, Josephine  
 Love, Paul  
 Leonard, J. W.  
 Lively, L. G.  
 Lester, Norma E.  
 Lewis, Lucile  
 Lewis, Maude  
 Lynch, Guelda  
 Lunford, Alverda  
 Lusk, Lydia E.  
 Leslie, Ethel  
 Lemley, Edith  
 Leftwich, Ruby  
 Larrimer, Grace  
 Lederer, Anna  
 Lester, Mrs. F. W.  
 Lambert, Emma  
 Lynch, W. M.  
 Lowry, Elmer F.  
 Lacy, Nora  
 Lester, Fannie  
 Leshner, Mary  
 Lapsley, Eleanor  
 Maxwell, Myron P.  
 Mays, Walter  
 Mays, Tressie  
 Miller, Helen  
 Miller, Pattie

Miller, C. C.  
 Miller, Willie  
 Miller, E. T.  
 Miller, Arlina  
 Miller, Sallie  
 Miller, Stacia F.  
 Morrow, Ruth  
 Myer, Hazel V.  
 Myers, Emma  
 Myers, Doris  
 Means, Mrs. Laura  
 Mossman, Vivian  
 Meadows, Kenneth  
 Meadows, Maude E.  
 Meadows, Belle  
 Meredith, Melvin  
 Menager, Francis P.  
 Moreland, Erwin  
 Mullens, Elbert R.  
 Morrison, Ernest  
 Mathews, Robt. Peebles  
 Morrow, George  
 Maddox, Hoadley  
 Moore, D. F.  
 Moore, Alice  
 Moore, Bessie K.  
 Moore, W. J.  
 Moore, Callie  
 Morris, Chas. C.  
 Musgrave, Milton  
 Mounts, A. J.  
 Mills, Willie  
 Marshall, T. R.  
 Moyers, E. D.  
 Marsh, Irma  
 Montgomery, C. S.  
 Midkiff, Audrey  
 Midkiff, Minnie  
 Milbee, Ethel  
 Murphy, M. L.  
 Mason, T. N.  
 Mason, Frances  
 Mason, Robert  
 Mace, Guy C.  
 Murphy, Jas. D.  
 Marcum, Hermia  
 McKenzie, Nora A.  
 McAbey, Truman  
 McCaffery, Eugene  
 McCoy, Grover  
 McDonald, Elmer  
 McGary, Amos D.  
 McWilliams, Walter B.  
 McCray, Alfred  
 McVay, Hilda  
 McDonald, Nora  
 McCans, Georgia  
 McComas, Eunice  
 McColm, Harry L.  
 McColm, Nellie K.  
 McCallister, Helen  
 McIntyre, L. P.  
 McCutcheon, Wilford  
 McKay, F. M.  
 McQueen, Archibald  
 McCue, Maggie  
 McCormick, B. T.  
 McDowell, Anna  
 McDonald, Donald  
 McDonald, Nora  
 Nash, Charles  
 Newman, Harry

Newman, Paul  
 Newman, Ford  
 Newman, Blanche I.  
 Newman, Nellie P.  
 Nicholas, Mark G.  
 Northcott, Andrew  
 Northcott, Mrs. E.  
 Notter, Shirley M.  
 Noe, Carrie  
 Newlon, Anna L.  
 Osborne, Bernard R.  
 Osborne, Donald  
 Ogden, Dorcas V.  
 Ogden, Minnie M.  
 Owens, Esta  
 Oates, Daisy  
 O'Hanlon, Donna  
 Patterson, R. G.  
 Payne, Lewis H.  
 Peyton, James E.  
 Peyton, Sarah M.  
 Porter, Roscoe  
 Prilliman, W. H.  
 Pyles, H. C.  
 Pitzer, Cyrus D.  
 Parsons, Willis  
 Parsons, Lettie B.  
 Parsons, Murrel  
 Paul, Blanche  
 Peck, Julia  
 Pemberton, Kathleen  
 Pence, Maggie  
 Pence, Grace  
 Peters, Clara  
 Peters, Lewis  
 Peters, Annie  
 Parker, Cordelia  
 Plybon, Cleopatra  
 Pritchard, Cyrus D.  
 Pine, Lyda S.  
 Pine, Rebecca S.  
 Prilleman, W. A.  
 Perry, Lola  
 Parkins, Laura  
 Paul, Ethel  
 Price, Maude  
 Price, Maggie  
 Quarrier, Virginia  
 Rhoades, Nellie  
 Ritz, Alva  
 Robinson, J. B. Jr.  
 Ralph, Frank  
 Ruckman, J. K.  
 Reynolds, Lonnie H.  
 Rice, C. O.  
 Riffe, Azel F.  
 Riffe, Winton A.  
 Roach, Clyde  
 Robinson, Chester  
 Roberts, Garland  
 Reid, Leroy M.  
 Reid, Clara  
 Reid, Bessie  
 Rousey, Fitzhugh L.  
 Riddle, Herve  
 Ramsey, Chando B.  
 Rollyson, Bertha M.  
 Rose, Florence  
 Rucker, Myrtle  
 Reynolds, Donnie  
 Richardson, Frank  
 Richardson, Will A.

- Richmond, Oma  
 Randall, Helen  
 Roberts, Thelma  
 Roberts, Hazel  
 Robertson, Gertrude  
 Relliffe, Anna Louise  
 Re, Louary  
 Robertson, Myrtle  
 Roberts, Clyde  
 Ramsey, I. S.  
 Richmond, Maude  
 Reynolds, Florence H.  
 Rags, Stella  
 Reese, Bessie  
 Reese, Anna  
 Richardson, Hila  
 Ritz, Rosa  
 Richmond, Fred  
 Runk, W. L.  
 Rumbaugh, Chas. G.  
 Reynolds, Carrie  
 Robinson, H. L.  
 Runk, Julia  
 Runk, Josephine  
 Runk, P. E.  
 Russell, Ruth  
 Runk, Lucile  
 Runk, Olive  
 Runk, M. F.  
 Runk, Cora A.  
 Runk, Florence M.  
 Runk, Fannie  
 Runk, Flora  
 Runk, Hubert  
 Runk, Myral M.  
 Runk, Chas.  
 Runk, Chas. E.  
 Runk, Otis H.  
 Runk, Wayne W.  
 Runk, Goodrich K.  
 Runk, Abraham  
 Runk, James  
 Runk, A. C.  
 Runk, R. C.  
 Runk, Wm. A.  
 Runk, Worthy  
 Runk, Rodney  
 Runk, Rufus W.  
 Runk, Lewis  
 Runk, Frank H.  
 Runk, J. W.  
 Runk, Preston  
 Runk, Roy  
 Runk, Fay T.  
 Runk, Eva F.  
 Runk, Mary  
 Runk, Bessie M.  
 Runk, Lillian A.  
 Runk, Anna G.  
 Runk, Myrtle  
 Runk, Wilma B.  
 Runk, Anna  
 Runk, Lenore J.  
 Runk, Mrs. H. G.  
 Runk, Mary L.  
 Runk, Pearle  
 Runk, Dorothy  
 Runk, Emma  
 Runk, Florence  
 Runk, Agnes  
 Runk, Birdie  
 number of students—978.
- Sample, Emma  
 Sanborn, Mary  
 Stevens, Aliceene  
 Sample, Dixie  
 Stewart, Grace  
 Simms, Earle  
 Sharp, Mary E.  
 Somerville, Dora  
 Swan, Maude  
 Shumate, Hattie  
 Starkey, Walter  
 Stafford, Earl  
 Sanford, Beulah  
 Schlobohm, R. E. L.  
 Simpson, Grace  
 Snell, Charles W.  
 Sshoonover, C. R.  
 Settle, H. W.  
 Shawver, Lena  
 Sprigg, Georgia P.  
 Suiter, Velma  
 Steele, Ollie  
 Spangler, Mamie  
 Spangler, Lamar  
 Sergeant, Ruby  
 Sergeant, May  
 Shingleton, Pearl  
 Stackhouse, Mrs. M. C. E.  
 Sanburn, Audrey  
 Steele, Robt. M.  
 Titus, Sadie  
 Thompson, Grace  
 Talbott, Chas. R.  
 Taylor, Chester  
 Thompson, Roma G.  
 Tomkies, Elbert  
 Tompkins, H. P.  
 Topping, John R.  
 Thornburg, Irving  
 Tomkies, Douglas  
 Tomkies, Tony  
 Trump, Lacey  
 Tompson, R. N. B.  
 Turner, George D.  
 Tomkies, Elizabeth  
 Thomas, Cora  
 Tomkies, Frances  
 Thornburg, Josephine  
 Tucker, Tot  
 Thomas, A. R.  
 Thompson, Julia  
 Thacker, Linna  
 Turley, Mrs. Ota  
 Turney, Emma Belle  
 Turney, Robert  
 Vickers, Leonard  
 Van Meter, Rebecca  
 Van Fleet, Nettie  
 Van Reenan, Lloyd  
 Vines, Cora  
 Walton, B. W.  
 Wise, Millard  
 Wise, Henry  
 White, Annie L.  
 Walliss, Maude  
 Withrow, S. H.  
 Woody, Clara  
 Woody, Bertha  
 Wentz, Mollie  
 Wickline, Everett  
 Williams, Mary
- Walkinshaw, Eva  
 West, C. W.  
 Winn, Pearl  
 Whitaker, Marguerite  
 Woodyard, Mrs. S. T.  
 Wallace, Jessie  
 White, Jas. R.  
 Whitt, Roy  
 Wigal, Essie  
 Williamson, Nora  
 Wakefield, Paul  
 Wilson, Ross  
 Wilson, Anna L.  
 Wilson, Clara  
 Wilson, Lelia  
 Wilson, Benny  
 Wilson, Lewis  
 Wilson, Hattie B.  
 Wilson, Lucy  
 Wilson, Parthenia  
 Ward, Edward S.  
 Wellman, Clyde  
 Wheat, Charles  
 Wigner, Clyde  
 Wiley, Rosco  
 Wilkinson, Earl D.  
 Willis, John T.  
 Wills, W. Howard  
 Wills, Randolph  
 Williamson, Vickers  
 Walton, Porter  
 Walls, Russell E.  
 Welker, G. D.  
 Welch, Frances  
 White, Lucy Carter  
 Winslow, Ellen  
 Wakefield, Gladys  
 Whittaker, Elizabeth  
 Walton, Ethel  
 Weider, Alice  
 Williamson, Mary  
 Winters, Frances  
 Wright, Nellie  
 Wiley, Lizzie  
 Wells, Mary J.  
 Walker, C. G.  
 Withrow, C. T.  
 Wood, Robert  
 Waugh, Bessie A.  
 Wells, Jane  
 Wysor, Fannie  
 Walton, Grace M.  
 Webb, Frances  
 West, Bertha  
 White, Janie  
 Wilcox, Zora  
 Wilkinson, Fay  
 Williams, Annie N.  
 Williamson, May Alice  
 Winkler, Lula  
 Winters, Mary W.  
 Womeldorf, Lissa E.  
 Wood, Lelia  
 Yantz, Christie  
 Yates, Wellington  
 Yates, Annie  
 York, John  
 Yoakum, J. T.  
 Young, Herschell  
 Young, Mabel











MANHATTAN  
COLLEGE

NEW YORK CITY

THE LIBRARY  
OF THE  
UNIVERSITY OF ILLINOIS

CATALOGUE

1906-'07



UNIVERSITY OF THE STATE OF NEW YORK

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# Manhattan College

BROADWAY AND 131st STREET  
NEW YORK

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CONDUCTED BY  
THE BROTHERS OF THE CHRISTIAN SCHOOLS

1906-07

OFFICERS OF THE COLLEGE

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BROTHER JOSEPH  
CHAIRMAN OF BOARD OF TRUSTEES

BROTHER EDWARD  
PRESIDENT

BROTHER MATTHEW  
REGISTRAR

BROTHER POTAMIAN  
SECRETARY

BROTHER ANGELUS  
TREASURER



## COLLEGE CALENDAR.

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1907

- 2—Thursday — Examination in Pedagogy for the Lavelle Medal.
- 14—Tuesday—Contest in Oratory for the Grady Memorial Medal.
- 15—Wednesday—Feast of St. De La Salle—Holiday.
- 24—Friday—Senior Examinations begin.
- 30—Thursday—Decoration Day—Memorial Services for the Deceased Alumni—Holiday.
- 1—Saturday—Close of Senior Examinations.
- 5—Wednesday—Examinations begin.
- 14—Friday—Senior Class Day.
- 16—Sunday—Baccalaureate Sermon.
- 18—Tuesday—Commencement Exercises.
- ber 9—Monday—Entrance Examinations.
- ber 11—Wednesday—Class Exercises begin.
- ber 19—Thursday—Mass of Invocation.
- er 1—Tuesday—College Societies reorganize.
- er 7—Monday—Annual Retreat begins.
- r 16—Wednesday—Fall Games.
- ber 1—Friday—All Saints—Holiday.

November 28—Thursday—Thanksgiving Day—Holiday.  
December 20—Friday—Seniors' Day.  
December 21—Saturday—Christmas Recess begins.

1908

January 6—Monday—Christmas Recess ends.  
January 22—Wednesday—Examinations begin.  
February 1—Saturday—Second Term begins.  
February 12—Wednesday—Lincoln Day—Holiday.  
February 21—Friday—Contest in Oratory.  
February 22—Saturday—Washington's Birthday—Holiday.  
March 16—"Bureau" Day.  
March 17—Tuesday—St. Patrick's Day—Holiday.  
April 6—Monday—"High School" Day.  
April 18—Saturday—Easter Recess begins.  
April 27—Monday—Class Exercises resumed.

## Manhattan College



MANHATTAN COLLEGE was incorporated under its present title in 1863 by the Regents of the University of the State of New York with power to confer the usual academic degrees. The College offers two departments of study, each comprising several courses leading to degrees.

The courses of the Arts Department lead to the degrees of Bachelor of Arts and Master of Arts. The requirements for admission, together with the courses of study pursued will be found under their proper headings.

The courses of the Science Department lead to the degrees of Bachelor of Science, Master of Science, and Civil Engineer.

The importance of the natural and experimental sciences is emphasized in the courses given in physics, chemistry, geology, and biology. These courses are of special benefit to those who intend to study medicine. Of no less advantage for the prospective law student are the courses in logic, political economy, and natural science. For students who intend to embrace the teaching profession, there are courses in pedagogy and the history of education, as well as a special course in psychology. These courses are recognized by the Department of Public Instruction of the State of New York, and also by the Board of Education of New York City.

Besides the College proper, there is a High School Department, comprising a four years' course, which prepares for the freshman class.

The studies of the Commercial Department include all subjects necessary for a thorough training in business methods.

The studies of the Preparatory Department prepare directly for

the High School Department of the College and cover the eight years of pre-academic work prescribed by the Board of Regents.

The Collegiate year begins on the second Tuesday in September and ends on the last Tuesday in June. It is divided into two terms, the first beginning on the second Tuesday in September and the second on the first day of February.

The Library contains 14,000 volumes. Additions are regularly made to keep the general reference section abreast of modern requirements. The Reading Room is well provided with reviews, magazines, and scientific periodicals.

The College Museum contains collections for courses in mineralogy, geology, zoölogy, and botany.

The courses of study adopted by the institutions affiliated with Manhattan College agree with those pursued in the High School Department of the College, and thus offer to students graduating from them the advantage of entering the College without further examination. Students from these institutions who desire advanced standing must satisfy the Board of Examiners that their previous studies qualify them for the class which they desire to enter.

## MANHATTAN COLLEGE COMPRISES:

THE COLLEGE PROPER, consisting of:

- a.* THE ARTS DEPARTMENT.
- b.* THE ENGINEERING DEPARTMENT.
- HIGH SCHOOL DEPARTMENT.
- COMMERCIAL DEPARTMENT.
- PREPARATORY SCHOOL.

AFFILIATED INSTITUTIONS:

- CHRISTIAN BROTHERS' ACADEMY, Albany, N. Y.
- CHRISTIAN BROTHERS' ACADEMY, Syracuse, N. Y.
- DE LA SALLE INSTITUTE, New York City.
- LA SALLE ACADEMY, New York City
- LA SALLE INSTITUTE, Troy, N. Y.
- LA SALLE ACADEMY, Providence, R. I.
- CLASON POINT MILITARY ACADEMY, New York City.
- ST. JOSEPH'S COLLEGIATE INSTITUTE, Buffalo, N. Y.
- ST. JOSEPH'S HIGH SCHOOL, Manchester, N. H.
- ST. JAMES' HIGH SCHOOL, Brooklyn, New York City.



## PRIZES AND MEDALS.

1. The Alumni Society offers every year to the students of the Senior class a purse of fifty dollars for the best original English essay. The test consists of two essays. The subject of the first is announced at the beginning of the month of October, and the essay must be presented not later than the second Tuesday of April. The subject of the second is announced when the candidates are assembled in the examination hall.

2. THE MILMO-MCGOWAN MEDAL for religious instruction was founded by Mrs. B. McGowan, in memory of her son, Mr. Michael J. McGowan, '69. This medal is awarded on competitive examination on the subject matter of the four years' course in dogma and moral, and church history. The examination takes place at the end of May.

3. THE KELLY MEDAL for philosophy, offered to the students of the Senior class, was founded by the late Mr. Eugene Kelly of New York City. This medal is awarded for proficiency in logic, metaphysics, and psychology.

4. THE GRADY MEMORIAL MEDAL for oratory was founded by the Alumni Society in memory of Rev. John M. Grady, '69. Two contests are held: the preliminary, on the eve of Washington's Birthday, open to all College students; the final, on May 4, eve of the Feast of St. De La Salle, open to those who receive the highest marks in the first contest.

5. THE MEDAL for the philosophy of history, donated by Rev. Matthew A. Taylor, is awarded to the student of the Senior class who obtains the highest average in this subject.

6. THE LAVELLE MEDAL for pedagogy, offered by the Right Rev. Monsignor Lavelle, '73, Rector of St. Patrick's Cathedral, New York, is awarded to the student who obtains the highest percentage therein.

7. THE HOGUET MEDAL for civil engineering, the gift of the late Chevalier Henry L. Hoguet, is awarded to the Senior science student who has the highest record for the year.

8. THE DEVELIN MEDAL for French, founded by Mr. Charles L. Miller, of New York City, in honor of his late friend, Mr. John E. Develin, is awarded by competitive examination on the matter of the four years' College course.

9. THE RIDDER PURSE of fifty dollars for experimental physics offered by Mr. Herman Ridder, to the student of the Junior class who obtains the highest marks in this subject during the year.

10. THE DOELGER MEDAL for German, the gift of Mr. Peter Doelger, is awarded to the student of the Junior class who has the highest record for the year.

Three scholarships for day students are awarded annually, candidates for these scholarships being examined in the first week of July.

The attention of friends and patrons is invited to the conditions necessary to *found a scholarship*. The amount required for a day student is fifteen hundred dollars; for a resident student, six thousand dollars.

## FEES.

|                                                                               |       |
|-------------------------------------------------------------------------------|-------|
| Board, tuition, physician's fee, washing, per session of ten months . . . . . | \$350 |
| Day Students; Collegiate and Commercial Departments                           | 100   |
| "    High School Department . . . . .                                         | 75    |
| "    Dinner at College . . . . .                                              | 60    |
| Vacation at College . . . . .                                                 | 50    |
| Use of laboratory and apparatus for any course . . . . .                      | 10    |
| Use of typewriter, . . . . .                                                  | 5     |
| Use of library . . . . .                                                      | 2     |
| Music: piano, \$80; mandolin, \$50; violin, \$50.                             |       |
| Graduation fee . . . . .                                                      | 10    |
| Certificate fee . . . . .                                                     | 5     |

For the support of athletics, the student body levies a tax of five dollars on every member of the respective classes.

Payment of the half session of five months is required in advance.

Remittances from outside New York City are to be made by draft or by post-office order, payable at Station J.

No money will be advanced to students unless a sufficient sum be deposited with the treasurer.

The pocket money of the students may be deposited with the treasurer.

Money will be refunded only in case of dismissal or of protracted illness.

## ENTRANCE REQUIREMENTS.

These requirements conform to the standards accepted by the Regents of the University of the State of New York.

I. ENGLISH.—Candidates for admission to the Freshman class must pass a written examination in English; and no candidate will be accepted whose spelling, diction, or paragraphing is notably defective.

READING.—A certain number of books is set for reading. The candidate will be required to present evidence of a general knowledge of the subject-matter, and to answer simple questions on the lives of the authors. The form of examination will usually be the writing of a paragraph or two on each of several topics, to be chosen by the candidate from a considerable number set before him in the examination paper. These topics, which are assigned to test the candidate's power of clear and accurate expression, will call for only a general knowledge of the substance of the books. In place of a part or the whole of this test the candidate may present an exercise book, properly certified by his instructor, containing compositions or other written work done in connection with the reading of the book. As a preparation for this part of the entrance requirements, it is important that the candidate be well versed in the fundamental principles of rhetoric.

The books selected for reading are:

906-8: Shakespeare, *The Merchant of Venice* and *Macbeth*; "Sir Roger de Coverley Papers" in *The Spectator*; Irving, *Life of Goldsmith*; Coleridge, *The Ancient Mariner*; Scott, *Ivanhoe* and *The Lady of the Lake*; Tennyson, *Gareth and Lynette*, *Enoch Arden*, and *Elaine*, and *The Passing of Arthur*; Lowell, *The Vision of Sir Launfal*; George Eliot, *Silas Marner*.

1909-II: Shakespeare, *Henry V.* and *Julius Cæsar*; Frankl, *Autobiography*; Goldsmith, *The Deserted Village*; Hawthorn, *The House of the Seven Gables*; Dickens, *A Tale of Two Cities*; Irving, *Sketch Book*; De Quincey, *Joan of Arc* and *The English Mail Coach*; Poe, *Poems*; Macaulay, *Lays of Ancient Rome*; Longfellow, *The Courtship of Miles Standish*, or Browning, *The Pied Piper and other Poems*.

STUDY AND PRACTICE.—This part of the examination presupposes the thorough study of each of the works named below. The examination will be upon subject-matter, form, and structure. In addition, the candidate may be required to answer questions involving the essentials of English grammar, and on leading facts in those periods of English literary history to which the prescribed books belong.

The books set for this part of the examination will be:

1906-8: Shakespeare, *Julius Cæsar*; Milton, *Lycidas*, *Comus*, *L'Allegro* and *Il Penseroso*; Burke, *Speech on Conciliation with America*; Macaulay, *Essay on Addison* and *Life of Johnson*.

1909-II: Shakespeare, *Macbeth*; Milton, *Lycidas*, *Comus*, *L'Allegro* and *Il Penseroso*; Burke, *Speech on Conciliation with America*, or *Washington's Farewell Address* and *Webster's First Bunker Hill Oration*; Macaulay, *Life of Johnson*, or *Carlyle's Essay on Burns*.

2. HISTORY.—The following courses of history may be presented: History of the United States and Civil Government, or (a) History of England, or (b) History of France, or (c) History of Greece and Rome.

The following works will serve to show the knowledge expected in History: Montgomery's *History of the United States*; Anderson's *History of England*; Montgomery's *History of France*; Myer's *History of the Roman People*; Myer's *History of Greece*.

3. ALGEBRA.—Wentworth's *School Algebra*, or equivalent.

4. GEOMETRY.—Wentworth's *Plane and Solid Geometry*, or equivalent.



5. PLANE TRIGONOMETRY.—Wentworth's *Plane Trigonometry*, equivalent.

6. FRENCH.—Grammar, sight translation. Composition based on the following books:

De Maistre, *Voyage autour de ma Chambre*; Mairét, *La Tâche de petit Pierre*; Halévy, *L'Abbé Constantin*; Daudet, *Le Siège de Berlin*, and Mérimée, *Colomba*.

7. GERMAN.—Grammar, sight translation. Composition based on the following books:

Hillern, *Höher als die Kirche*; Hauff, *Das Kalte Herz*; Frey, *Die Journalisten*; Storm, *Immensee*.

8. CHEMISTRY.—A course of at least sixty experiments made by the candidate, with note-book certified by teacher.

9. PHYSICS.—Knowledge of the general principles of Physics, and their applications. Each candidate must present a note-book containing a description of at least forty experiments which have been performed.

The following will be accepted in place of French and German:

10. LATIN.—Grammar, Allen & Greenough's or equivalent, including prosody. Cæsar, *Gallic War*, Books I-IV. Cicero, six orations. Reading at sight of a short passage of easy Latin prose. Virgil, *Æneid*, Books I-VI. Latin prose composition.

11. GREEK.—Grammar, Goodwin's or equivalent, including prosody. Xenophon, *Anabasis*, Books I-III. Homer, *Iliad*, Books I-V. Greek prose composition, Jones', twenty exercises or equivalent.

Students presenting Latin and Greek for admission will be required to take a special course in French and German during the freshman year, and will thereafter follow the regular programme.

A certificate of the Regents of the University of the State of New York will be received in lieu of the entrance examination, provided it has been issued within the year, or that the candidate has a certificate of continued study since its date of issue. The candidate will, however, be examined on such branches as are not included in the Regents' certificate.

## GENERAL REGULATIONS.

Every candidate for admission must present a certificate of good moral character.

At the beginning of the first year, each student elects the course which he desires to follow, and no student may afterward change his course without the permission of the Faculty.

Punctuality at all the exercises is required. Students absent from the opening of either the morning or the afternoon session will not be admitted to class without a note from the Inspector. No student who has exceeded the limit of absences from recitation will be entitled to take examination.

Examinations are held semi-annually, in January and June, in all the subjects studied during the intervening periods. Special examinations in any subject may be held at the option of the Professor. Drawing and laboratory work count for half a recitation each.

Absence from an examination, unless excused by the Faculty, will be considered a failure.

Should a student fail in any one of the regular examinations, he may be permitted to take another examination at the opening of the following term, or at such time as may be fixed by the Professor.

Seventy per cent. in each subject constitutes a pass in both departments of the College.

The final standing of each student is determined by his examination results together with the average of his year's class-mark in each subject.

Every candidate for a degree is required to present a written thesis on a subject connected with his course. The subject selected must be submitted for approval to the Professor of the department to which it belongs, on or before February 1. Students

help and guidance may be offered the candidate as the Professor shall judge right, and the completed thesis shall be handed in for approval on or before May 30.

Theses shall contain not less than two thousand words, and must be typewritten on paper 13x8, with an inner margin of an inch and a half. Science theses must be accompanied by the necessary drawings and illustrations. All approved theses become the property of the College and are placed in charge of the librarian.

If a student fail to present his thesis, or if the thesis be rejected, he shall not be recommended for his degree.

No degree or other testimonial will be conferred on any student who has not satisfactorily completed the prescribed courses.

At the discretion of the Faculty, a certificate of proficiency may be given to a student who has followed, under the direction of the Faculty, a special course of one or more subjects, and who presents evidence of satisfactory proficiency.

N. B.—No course outlined in this catalogue will be given unless there is a sufficient number of applicants.



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ARTS DEPARTMENT

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## ARTS DEPARTMENT.

The studies of this department for the Freshman and Sophomore years are prescribed; but in the Senior and Junior years elective courses are open to the student. It is likewise in the senior year that aspirants to the teaching profession begin to specialize for their future work.

The lessons in literature, political science, pedagogy, and philosophy are supplemented by the discussion of pertinent articles in leading periodicals of America and Europe.

As the student nears the time of graduation, the general principles underlying a sound College training are viewed in their bearings on the different professions: the ministry, law, medicine, teaching profession, all of which afford matter for discussion in the Seminar.

The entrance requirements will be found on page 11.

Students who successfully complete the prescribed course of the department receive the degree of Bachelor of Arts.

For the degree of Master of Arts, see page 33

## ARTS DEPARTMENT.

### FRESHMAN CLASS.\*

| FIRST TERM.             |     |        | SECOND TERM.            |     |
|-------------------------|-----|--------|-------------------------|-----|
| FRENCH,                 | (4) | 63     | FRENCH,                 | (4) |
| GERMAN,                 | (4) | 69     | GERMAN,                 | (4) |
| ENGLISH,                | (4) | 53, 55 | ENGLISH,                | (6) |
| HISTORY,                | (2) | 74     | HISTORY,                | (3) |
| MATHEMATICS,            | (3) | 91     | MATHEMATICS,            | (2) |
| PHYSICS,                | (2) | 119    | PHYSICS,                | (2) |
| PHYSICAL<br>LABORATORY, | (2) |        | PHYSICAL<br>LABORATORY, | (2) |
| CHEMISTRY,              | (2) | 11     | CHEMISTRY,              | (2) |
| CHEMICAL<br>LABORATORY, | (3) | 12     | CHEMICAL<br>LABORATORY, | (3) |
| ELOCUTION,              | (1) | 98     | ELOCUTION,              | (1) |
| CHRISTIAN<br>DOCTRINE,  | (2) | 121    | CHRISTIAN<br>DOCTRINE,  | (2) |

### SOPHOMORE CLASS.

| FIRST TERM.            |     |        | SECOND TERM.           |     |
|------------------------|-----|--------|------------------------|-----|
| FRENCH,                | (4) | 64     | FRENCH,                | (4) |
| GERMAN,                | (4) | 70     | GERMAN,                | (4) |
| ENGLISH,               | (6) | 58, 59 | ENGLISH,               | (6) |
| HISTORY,               | (3) | 76     | HISTORY,               | (3) |
| MECHANICS,             | (3) | 94     | MECHANICS,             | (3) |
| GEOLOGY,               | (2) | 67     | GEOLOGY,               | (2) |
| ELOCUTION,             | (1) | 99     | ELOCUTION,             | (1) |
| CHRISTIAN<br>DOCTRINE, | (2) | 122    | CHRISTIAN<br>DOCTRINE, | (2) |

\* The figures in parenthesis indicate the number of hours for the other figures indicate the paragraphs in which the course is

# JUNIOR CLASS.

| FIRST TERM. |     |          | SECOND TERM. |     |          |
|-------------|-----|----------|--------------|-----|----------|
| CH.         | (4) | 65       | FRENCH,      | (4) | 65       |
| AN,         | (4) | 71, 72   | GERMAN,      | (4) | 71, 72   |
| ISH,        | (5) | 54, 60   | ENGLISH,     | (5) | 60       |
| PHILOSOPHY, | (4) | 107, 109 | PHILOSOPHY,  | (4) | 116, 118 |
| CS,         | (3) | 119      | PHYSICS,     | (3) | 119      |
| CAL         |     |          | PHYSICAL     |     |          |
| ORATORY,    | (2) |          | LABORATORY,  | (2) |          |
| RY,         | (1) | 99       | ORATORY,     | (1) | 100      |
| TIAN        |     |          | CHRISTIAN    |     |          |
| TRINE,      | (2) | 123      | DOCTRINE,    | (2) | 123      |
| NOMY,       | (2) | 1        | ASTRONOMY,   | (2) | 1        |
| OGY,        | (3) | 102, 104 | PEDAGOGY,    | (3) | 102, 104 |

# ELECTIVES.

| FIRST TERM.    |     |        | SECOND TERM.      |     |        |
|----------------|-----|--------|-------------------|-----|--------|
| OGY,           | (2) | 4      | { BIOLOGY,        | (2) | 5      |
| ISTRY,         | (2) | 10, 11 | { CHEMISTRY,      | (2) | 10, 11 |
| ISH,           | (2) | 125    | { SPANISH,        | (2) | 125    |
| ICAN POLITICAL |     |        | { EUROPEAN        |     |        |
| STITUTIONS,    | (1) | 81     | CONSTITUTIONS,    | (1) | 82     |
| CH HISTORY,    | (1) | 86     | { CHURCH HISTORY, | (1) | 86     |

## SENIOR CLASS.

|                                      |     |         |                                   |       |
|--------------------------------------|-----|---------|-----------------------------------|-------|
| ENGLISH,                             | (4) | 61      | ENGLISH,                          | (4)   |
| PHILOSOPHY OF<br>HISTORY,            | (3) | 85      | PHILOSOPHY OF<br>HISTORY,         | (3)   |
| ONTOLOGY AND COS-<br>MIC PHILOSOPHY, | (4) | 111     | EPISTEMOLOGY, }<br>PSYCHOLOGY, }  | (4) { |
| HISTORY OF<br>PHILOSOPHY,            | (1) | 118     | HISTORY OF ANCIENT<br>PHILOSOPHY, | (1)   |
| ECONOMICS,                           | (2) | 47      | ECONOMICS,                        | (2)   |
| ORATORY                              | (1) | 101     | ORATORY,                          | (1)   |
| NATURAL<br>THEOLOGY,                 | (2) | 44, 115 | ETHICS,                           | (2)   |
| FRENCH,                              | (3) | 66      | FRENCH,                           | (3)   |
| GERMAN,                              | (4) | 79      | GERMAN,                           | (3)   |

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## ELECTIVES.

|                                |     |          |                               |     |
|--------------------------------|-----|----------|-------------------------------|-----|
| { BIOLOGY,                     | (3) | 6, 7     | { BIOLOGY,                    | (3) |
| { CHEMISTRY,                   | (3) | 11, 12   | { CHEMISTRY,                  | (3) |
| { PRINCIPLES OF<br>GOVERNMENT, | (3) | 49       | { SOCIOLOGY,                  | (3) |
| PUBLIC FINANCE                 | (2) | 50       | REPRESENTATIVE<br>GOVERNMENT, | (2) |
| { AMERICAN<br>HISTORY,         | (2) | 83       | { AMERICAN<br>HISTORY,        | (2) |
| HISTORY OF OUR<br>TIMES,       | (1) | 80       | HISTORY OF OUR<br>TIMES,      | (1) |
| SPANISH,                       | (3) | 125      | SPANISH,                      | (3) |
| PEDAGOGY,                      | (3) | 103, 105 | PEDAGOGY,                     | (3) |



## PEDAGOGY.

The regular College work in logic and psychology satisfies the requirements of both State and City Superintendents of Public Instruction, under whose immediate direction examinations in history of education and in method are held. Upon completing a satisfactory examination in these subjects, the candidate receives a license to teach for three years, after which period, if successful experience can be demonstrated, the provisional license may be exchanged for a life certificate to teach.

The main requisite is that the candidate be a graduate from a college or university recognized by the Regents of the University of the State of New York, wherein at least one year was spent in pedagogical study amounting to not less than 210 hours, with attendance upon lectures or recitations, as follows: logic or psychology, at least 90 hours; history and principles of education and methods of teaching, at least 120 hours. In estimating the length of such courses, applicants about to graduate will be regarded as having completed their courses.

The courses offered to the students in Pedagogy are:

FOR YEAR.—Logic, 60 hours.

History of education and

Principles of education, 90 hours.

FOR YEAR.—Psychology, 90 hours.

Method in teaching, 60 hours.

Observation, 20 hours.

## STATE REQUIREMENTS FOR THE STUDY OF LAW AND MEDICINE.

In the interest of students who may wish, after graduation, to take up the study of law or medicine, the following notes are added:

An office clerkship is no longer required of young men applying for admission to the New York bar. Applicants must be at least eighteen years of age, in order to have their time of study counted toward the required period. If they are not graduates of a university or college in good standing, they must file with the clerk of the court of appeals a Regents' law-student certificate.

College graduates may complete the prescribed law course in two years, while others require three.

The period of eighteen months of office clerkship required for admission is satisfied by an equal time spent in a New York law school.

Candidates for admission to a medical college must be at least eighteen years of age and present satisfactory evidence of good character. If not graduates of a university or college in good standing, they must present a Regents' academic diploma or its equivalent.

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SCIENCE DEPARTMENT

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## COURSE IN CIVIL ENGINEERING.

The work of this department is planned to give the student a liberal education, and to enable him, after graduating, to derive immediate profit from the practical experience of his professional career.

The course in civil engineering comprises surveying, road and railroad engineering, bridge engineering, hydraulics and water-works.

The work is both theoretical and practical. The lectures of the class-room are supplemented by field-work and visits to places of interest in the vicinity.

The reading and discussion of the principal scientific and technical periodicals form an essential feature of this department.

Students who successfully complete this course receive the degree of Bachelor of Science in Civil Engineering.

The entrance requirements are the same as for the Arts Department, page 11.



# THE COURSE IN CIVIL ENGINEERING.

## FRESHMAN CLASS.

| FIRST TERM.      |     |        | SECOND TERM.     |     |        |
|------------------|-----|--------|------------------|-----|--------|
| ANALYTICAL       |     |        | ANALYTICAL       |     |        |
| GEOMETRY,        | (3) | 91     | GEOMETRY,        | (2) | 92     |
| PHYSICS,         | (2) | 127    | PHYSICS,         | (2) | 127    |
| PHYSICAL         |     |        | PHYSICAL         |     |        |
| LABORATORY,      | (2) |        | LABORATORY,      | (2) |        |
| SURVEYING,       | (3) | 16     | SURVEYING        | (3) | 16     |
| CHEMISTRY,       | (2) | 11     | CHEMISTRY,       | (2) | 13     |
| CHEMISTRY, LABO- |     |        | CHEMISTRY, LABO- |     |        |
| RATORY WORK      | (2) | 12     | RATORY WORK,     | (2) | 14     |
| ENGLISH,         | (4) | 53, 55 | ENGLISH,         | (6) | 53, 56 |
| GERMAN,          | (4) | 69     | GERMAN,          | (4) | 69     |
| DESCRIPTIVE      |     |        | DESCRIPTIVE      |     |        |
| GEOMETRY,        | (2) | 40     | GEOMETRY,        | (2) | 40     |
| DRAWING,         | (4) | 37     | DRAWING,         | (4) | 38     |
| BOTANY,          | (2) | 4      | ELOCUTION,       | (1) | 98     |
| ELOCUTION,       | (1) | 98     | CHRISTIAN        |     |        |
| CHRISTIAN        |     |        | DOCTRINE,        | (2) | 121    |
| DOCTRINE,        | (2) | 121    |                  |     |        |

## SOPHOMORE CLASS.

| FIRST TERM. |     |        | SECOND TERM.       |     |        |
|-------------|-----|--------|--------------------|-----|--------|
| MECHANICS,  | (3) | 94     | MECHANICS,         | (3) | 94     |
| CALCULUS,   | (3) | 102    | CALCULUS,          | (3) | 102    |
| SURVEYING,  | (3) | 17     | SURVEYING,         | (2) | 17     |
| DRAWING,    | (6) | 39     | GRAPHIC STATICS,   | (2) | 42     |
| GEOLOGY,    | (2) | 67     | DESIGN PROBLEMS,   | (6) | 45     |
| ENGLISH,    | (4) | 58, 59 | GEOLOGY,           | (2) | 68     |
| GERMAN,     | (4) | 70     | BUILDING MATERIALS |     |        |
| ELOCUTION,  | (1) | 99     | AND APPLICATION    | (2) | 38     |
| CHRISTIAN   |     |        | ENGLISH,           | (4) | 57, 59 |
| DOCTRINE,   | (2) | 122    | GERMAN,            | (4) | 70     |
|             |     |        | ELOCUTION,         | (1) | 99     |
|             |     |        | CHRISTIAN          |     |        |
|             |     |        | DOCTRINE,          | (2) | 122    |

## JUNIOR CLASS.

| FIRST TERM.                                  |     |          | SECOND TERM.                      |     |        |
|----------------------------------------------|-----|----------|-----------------------------------|-----|--------|
| MECHANICS AND<br>STRENGTH OF<br>MATERIALS,   | (4) | 95       | THERMODYNAMICS,                   | (2) | 108    |
| MASONRY STRUC-<br>TURES AND FOUN-<br>DATIONS | (3) | 20, 23   | PHYSICS,                          | (3) | 120    |
| METALLURGY                                   | (2) | 13       | PHYSICAL<br>LABORATORY,           | (2) |        |
| PHYSICS,                                     | (3) | 120      | ASTRONOMY,                        | (2) | 1      |
| PHYSICAL<br>LABORATORY,                      | (2) |          | ENGLISH,                          | (1) | 55     |
| ROAD AND RAILROAD<br>ENGINEERING,            | (3) | 18, 22   | ORATORY,                          | (1) | 100    |
| DESIGN PROBLEMS,                             | (8) | 45       | TRUSSES,                          | (4) | 28     |
| SURVEYING,                                   | (2) | 19       | ROAD AND RAILROAD<br>ENGINEERING, | (3) | 18, 30 |
| ENGLISH,                                     | (1) | 55       | DESIGN PROBLEMS,                  | (8) | 45     |
| ASTRONOMY,                                   | (2) | 1        | TUNNELING,                        | (2) | 25     |
| ORATORY                                      | (1) | 99       | EXCAVATIONS,                      | (2) | 26     |
| PHILOSOPHY,                                  | (4) | 107, 109 | CHRISTIAN<br>DOCTRINE,            | (2) | 123    |
| CHRISTIAN<br>DOCTRINE,                       | (2) | 123      |                                   |     |        |

## SENIOR CLASS.

| FIRST TERM.              |     |          | SECOND TERM.                     |     |          |
|--------------------------|-----|----------|----------------------------------|-----|----------|
| BRIDGES AND<br>BUILDING, | (6) | 29       | BRIDGES,                         | (6) | 29       |
| HYDRAULICS,              | (3) | 23       | CONTRACTS AND<br>SPECIFICATIONS, | (2) | 32       |
| WATER SUPPLY,            | (3) | 31       | RAILROAD<br>ENGINEERING,         | (3) | 30       |
| SEWERS,                  | (2) | 27       | DESIGN PROBLEMS,                 | (8) | 46       |
| CEMENT<br>LABORATORY,    | (2) | 24       | ENGLISH,                         | (1) | 54       |
| DESIGN PROBLEMS,         | (8) | 46       | ORATORY,                         | (1) | 100, 101 |
| ENGLISH,                 | (1) | 54       | THESIS,                          | (2) |          |
| ORATORY,                 | (1) | 100, 101 | ETHICS,                          | (2) | 115      |
| NATURAL<br>THEOLOGY,     | (2) | 114, 115 |                                  |     |          |

## HIGHER DEGREES.

Bachelors in either department may obtain the Master's degree by pursuing an approved course of study and giving satisfactory evidence of scholarship. If such post-graduate study is not pursued in the College, the degree will not be conferred until two years after graduation.

Professional study, as such, does not entitle one to the Master's degree, but original research or special and scholarly study connected with a profession may, at the discretion of the Faculty, be accepted.

Essays, theses, and dissertations intended for the Master's degree must be presented at least one month before the end of the academic year. The bibliography or list of works consulted must, in each case, be appended to the thesis.

If a candidate's thesis is approved, he will be informed as to the time when he will be required to meet the Board of Examiners for any further test of his qualifications which may be deemed necessary.

The degree of Civil Engineer may be conferred one year after graduation on the presentation of an approved thesis.

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COURSES OF STUDY

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## COURSES OF STUDY.

### FOR THE MASTER'S DEGREE.

#### *For Master of Arts.*

Any one of the following courses:

- I. Moral Philosophy, with written thesis, making special application of its principles to mooted questions of the day.
- II. Plato and Aristotle, with the history of the influence of Greek philosophy on modern thought.
- III. A comparative study of the psychology of St. Thomas Aquinas and modern psychology.
- IV. A comparative study of Thomistic ethical principles and current theories.
- V. A critical study of Locke's influence on modern philosophy.
- VI. A critical study of the rise of Kantianism.
- VII. A critical study, with practical applications, of any *one* of the following psychologic principles as applied in teaching:
  - (a) Interest; (b) Apperception; (c) Attention; (d) Personal Equation; (e) Imitation; (f) Free Will; (g) Character; (h) Humor; (i) Imagination.
- VIII. A critical examination of current errors in logic, psychology, or ethics.
- X. A thorough criticism of any one of the accepted texts in logic, psychology, or ethics.

- XI. A critical examination of any one of the accepted texts in the history of education.
- XII. A critical study of the growth of the novel.
- XIII. English literature. Critical analysis of any classic author from the Catholic standpoint.
- XIV. French literature, with translations at sight from any classic author, and a critical French essay on his work or his age.
- XV. German literature, with translation at sight from any classic author, and a critical German essay on his work or his age.
- XVI. Church History. Selections of important periods for research, with essays embodying results of investigation.
- XVII. A discussion of current theories in political economy.
- XVIII. A critical examination of any one of the texts commonly accepted as standard in political economy.
- XIX. A detailed examination with applications of the relations of political economy to ethics.
- XX. A critical study of Leo XIII.'s encyclicals on political questions. Discussion of prevalent sociological theories.
- XXI. Suggested ways and means of perfecting the federation of Catholic societies.
- XXII. Amplification of topics discussed by the Catholic Truth Society.

*For Master of Science.*

Any one of the following courses:

- I. Higher coördinate geometry of two dimensions; coördinate geometry of three dimensions.
- II. General theory of equations.

- III. Higher parts of the integral calculus; differential equations; calculus of variations; calculus of quaternions.
- IV. Rigid dynamics.
- V. Fourier's theorem and its applications.
- VI. The wave theory treated mathematically or experimentally, or both.
- VII. The electro-magnetic theory of light.
- VIII. Phenomena of interference, diffraction and polarization.
- IX. Spectrum analysis.
- X. The kinetic theory of gases.
- XI. Conservation and dissipation of energy.
- XII. Application of the doctrine of energy to the phenomena of chemical combination.
- XIII. Thermal measurement of energy.
- XIV. Properties and phenomena of the ether.
- XV. Discharge of electricity through gases.
- XVI. Recent views of electricity.
- XVII. Higher parts of static and dynamic electricity.
- XVIII. Phenomena of alternating currents.
- XIX. Astrophysics.
- XX. Special studies in civil engineering.
- XXI. Special studies in electrical engineering.

These subjects are merely suggestive, and are intended to assist the candidate in the choice of a subject for his thesis. The treatment of the subject should be thorough and comprehensive, and should embody the result of original thought or of experimental investigation, as the case may require.

Published works of the candidate on the subject selected, articles in reviews or scientific periodicals, or contributions to the transactions of learned societies will receive due consideration from the Board of Examiners.

## COURSES OF STUDY.

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### ASTRONOMY.

I. DESCRIPTIVE ASTRONOMY.—The dimensions of the earth, its mass and motions. Phenomena depending on the axial and the orbital motion of the earth. Determination of the figure and magnitude of the earth. Kepler's laws and applications. Phenomena depending on change of place. Fundamental principles of celestial mechanics. Dimensions and configuration of the solar system. The sun and planets. Tides, eclipses, transits.

Young, *The Elements of Astronomy*.

Reference: Lodge, *The Pioneers of Science*.

PRACTICAL ASTRONOMY.—Construction, adjustment and use of the sextant, transit, and equatorial telescope. Determination of the meridian, latitude, and local time.

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### BIOLOGY.

2. GENERAL PRINCIPLES OF BIOLOGY.—Study of typical form illustrating structure and function. Lectures and laboratory work.

Parker, *Lessons in Elementary Biology*.

3. GENERAL ZOOLOGY.—(a) Zoölogy of invertebrates: lectures, recitations, and laboratory practice.

(b) Zoölogy of vertebrates: lectures, recitations, and laboratory practice.

4. STRUCTURAL BOTANY.—The principal features of plant structure and classification with reference to trees, their character, and identification. Lectures on organization of higher plants illustrated by specimens, and followed by laboratory work.

5. STUDY OF PHENOGAMS.—The characters of the natural orders. Lectures and laboratory work.

6. PLANT HISTOLOGY AND PHYSIOLOGY.—The vegetable cell, its structure, composition, modification, kinds; structure and development of flower, fruit, seed; protoplasm, vegetable growth, movements, reproduction.

7. STUDY OF CRYPTOGRAMS.—Study of the structure and development of algæ, fungi, lichens, mosses, ferns, and pteridophytes. Relationship of cryptogams and phenogams.

8. ZOOLOGY.

9. HUMAN ANATOMY AND PHYSIOLOGY.—Lectures, illustrated with models and lantern slides.

10. THE NERVOUS SYSTEM AND ITS TERMINAL ORGANS.—Lectures and illustrations with models and lantern slides.

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## CHEMISTRY.

11. GENERAL INORGANIC CHEMISTRY.—Preparation, properties and uses of the more important elements and inorganic compounds.

Newell, *Descriptive Chemistry*.

12. CHEMICAL LABORATORY.—Practice in the methods of preparing and testing the common elements and their important compounds.

13. QUALITATIVE ANALYSIS.—Description of a method of separation which experience has proved to be sufficiently simple and accurate.

14. LABORATORY WORK.—Separation of the ordinary bases and acids; Garvin, *Special tests*.

15. METALLURGY OF IRON AND STEEL.—Study of the physical and chemical properties as well as the constitution and manufacture of cast iron, wrought iron, and steel.

## CIVIL ENGINEERING.

16. LAND SURVEYING.—Theory and general principles. Adjustment and use of chain, tape, rod, vernier, level, and compass. Simple leveling with ordinary level, hand-level, and barometer. Making of profile. Pacing, chain and compass surveying. Balancing, plotting, supplying omissions, and computing areas.

17. LAND SURVEYING.—Theory, adjustment and use of transit. Transit, stadia, and topographical surveying. Leveling, contour lines, plotting, computing areas, use of plane table.

Raymond, *Plane Surveying*.

18. ROAD ENGINEERING.—Location and grading of country roads. Staking out of work. Draining and protection works. Maintenance. Foundations. City streets. Pavements: stone, wood, asphalt, brick. Tools and machinery employed in road construction. Specifications and contracts regarding roads.

Byrne, *Highway Construction*.

19. LAND SURVEYING.—City surveying, triangulation, hydrographic, and mining surveying.

20. FOUNDATIONS.—Construction of timber foundation. Cofferdams of timber. Open and pneumatic caissons. Trestle foundations. Piles in foundations. Economical considerations in foundations. Estimates of cost. Methods for deep foundations.

Patton, *Foundations*.

21. TIMBER STRUCTURES.—Culverts. Pile bents. Frame bents. Bracing compound timber structures. Trestles on curves. Floor details. Connection with embankment, derailing devices, field engineering, and erection of trestle, design and estimates for a completed trestle.

Foster, *Treatise on Modern Trestle Bridges*.



22. RAILROAD SURVEYING.—Reconnaissance and preliminary surveys. Organization of work. Simple, compound, and transition curves. Turnouts. Cross-section work. Computation of earthwork.

Searle, *Field Engineering*.

23. MASONRY STRUCTURES.—Theory of the slope of earth embankments; graphical and analytical methods for determining earth-pressure as well as the thickness of retaining-walls and masonry. Arches. Masonry culverts and bridges.

Baker, *Masonry Construction*.

24. CEMENT AND MORTAR.—Testing in laboratory.

25. TUNNELING.—Timbering and lining of tunnels. Excavation of tunnels through rock, and through loose and treacherous soils. Subaqueous tunnels. Open cut. Subways. Ventilation of tunnels.

Prelini, *Tunneling*.

26. EXCAVATIONS.—Earthwork, excavations by hand and machine, rock excavation, hauling on horizontal and inclined roads, existing cableways, trench cutting, embankment constructions, dredging and dredged materials.

Prelini, *Earth and Rock Excavation*.

27. SEWERS AND SEWAGE DISPOSAL.—Dimensions and materials used, location, precautions in construction, study of examples, estimate of cost, surface drainage in towns and cities, separate and combined systems, capacities of main and branches, velocity, flow, and discharge of sewers. Methods of sewage disposal, discharge into streams, gravity and chemical precipitation. Filtration.

28. THEORY OF TRUSSES.—Truss elements, loads and reactions for trusses of various designs, influence lines, and position of loads for maximum bending moment. Wheel-loads and conventional systems of analysis, stress-strain diagrams, secondary stresses in trusses, applications to highway and railroad bridges.

Merriman and Jacoby, *Roofs and Bridges*.

29. ROOFS, BRIDGES, AND BUILDINGS.—Different classes of bridges, riveted truss or lattice bridges, pin-connected bridge, design of details for roofs and bridges, floor systems, lateral and transverse bracing. The plate girder in detail, swing bridge (different kinds), end-lifting apparatus, machinery for operating cantilever structures, single and double track trestles or viaducts in steel or timber, elevated railroads, stand-pipes. Complete designs, with estimate of cost for structure and erection.

Merriman and Jacoby, *Roofs and Bridges*.

30. RAILROAD ECONOMICS.—General theory of railroad projects. Probable volume of traffic and its probable growth. Effect of alignment on resources and operating expenses. Methods of railroad management. Construction of railroads; track laying and maintenance, frogs and switches, track accessories, records and reports.

Wellington, Tratman, *Track and Track Work*.

31. IRRIGATION AND WATER SUPPLY.—Drainage areas, rainfall, evaporation. Reservoir construction. Dams for storage. Regulators. Distributing reservoirs and purification of water. Velocity of flow and dimensions of canals. Distributing and lateral canals.

32. CONTRACTS AND SPECIFICATIONS.—Johnson.

33. HYDRAULICS.—Flow of water through orifices and over weirs, gauging of weirs. Flow of water in canals. Formulæ for discharge of water from locks. Motion of water in pipes. System of pipes. Gauging water in rivers. Backflow. Resistance of water in a river, in a canal. Hydraulic motors. Ship railway. Laboratory work.

Merriman, *Hydraulics*.

34. INSPECTION VISITS.—Visits to engineering works and manufacturing establishments.

35. FIELD WORK.—Surveying. Compass and transit survey. Adjustments of instruments. Farm survey. Angle reading by repetition. Azimuth traverse.

36. FIELD WORK.—Leveling. Contour sketching. Topographical surveying.

37. RAILROAD SURVEY.—Reconnaissance and preliminary survey. Location of line. Profile and cross-section. Computation of earth work. About two miles of road are run, and the students make all calculations required in the regular routine of office work.

38. BUILDING MATERIALS.—Stones: quarrying, working, employment. Bricks, manufacture and employment. Production and testing of lime, hydraulic lime, and cement; mortar; concrete; timber; metals; miscellaneous materials.

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## DRAWING.

39. MECHANICAL DRAWING.—Use of instruments, geometrical problems, lettering, plans, elevations.

40. MECHANICAL DRAWING.—Elementary projections, intersections, shades and shadows. Tinting drawings, pen-and-ink sketching.

41. MECHANICAL DRAWING.—Stone-cutting and its applications to culverts, sewers, etc. Tracing and blue prints.

42. DESCRIPTIVE GEOMETRY.—Demonstrations and execution of eight plates.

Faunce, *Descriptive Geometry*.

43. DRAWING.—Plots of survey, topographical maps, contour maps, profiles.

44. GRAPHIC STATICS.—Resolution of concurrent and non-concurrent forces; determination of moments, of internal stresses, of centroids and moments of inertia. Application to roofs and trusses.

Hoskin, *Elements of Graphic Statics*.

45. DESIGN PROBLEMS.—Graphic solution of problems concerning the slope of embankments, earth-pressure against retaining-walls and dams; stability of retaining-walls, dams, and arches. Design of a masonry bridge with plan, elevation, longitudinal and cross-sections.

46. BRIDGE DESIGN.—Design of roof trusses and fixed steel bridges. Drawbridges. Elevated steel structures. Skeleton of a steel building. Computations and working drawings are made from specifications for a railroad bridge of short span, and estimates of its weight are prepared.

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## ECONOMICS, SOCIAL AND POLITICAL SCIENCE.

47. ECONOMICS.—Principles of production, distribution, exchange, money, banking, international trade-relation of labor and capital, present organization of industry, currency legislation of the United States.

48. Economic history of England and America.

49. Principles of government, legislation, the judiciary, the executive, suffrage, and finance.

Fiske, *Civil Government*.

50. Public expenditure. Sources of state income. Development, classification, incidents and effects of principal taxes.

Reference: Adam's *Science of Finance*.

51. Political representation in Colonial period as compared with representation at present.

52. PRINCIPLES OF SOCIOLOGY.—Psychology of social types. Historical aspects of social organization, both ancient and modern. Study of modern social problems.

## ENGLISH.

53. ENGLISH COMPOSITION.—The theory of composition with special reference to the qualities of diction and to the structure of the sentence and the paragraph. The study of exposition, narration and description. Three short themes weekly. Longer themes at regular intervals. Comments and criticisms.

Genung, *Practical Rhetoric*.

54. ARGUMENTATION AND DEBATE.—Study of the nature of argumentation. Exercises in analysis of classic argumentative speeches. Study of the rules and tests of evidence. Theory and practice of brief-drawing. Original forensics and argumentative essays.

Baker and Huntington, *Principles of Argumentation*.

55. HISTORY OF ENGLISH LITERATURE.—Rapid survey of the growth and development of English literature preparatory to an intensive study of special periods. Reading of representative masterpieces.

Brother Noah, *Manual of English Literature*.

56. HISTORY OF AMERICAN LITERATURE.—Study of the growth and special characteristics of American literature as an introduction to a more intensive consideration of special periods.

Brother Noah, *Manual of American Literature*.

57. LITERATURE OF THE DRAMA.—Study of the origin and development of the English drama. Critical reading of Shakespeare's *Hamlet* or *King Lear*.

Woodbridge, *The Drama: Its Laws and Its Technique*; Brandes, *William Shakespeare*.

58. ENGLISH LITERATURE OF THE NINETEENTH CENTURY.—Study of the leading English authors of this period, and a critical reading of selected classics indicated in Brother Azarias's *Books and Reading*.



59. PRINCIPLES OF VERSIFICATION.—Study of English verse-structure. Exercises in scansion and verse-making. Original poems.

Gummere, *Handbook of Poetics*.

60. ANGLO-SAXON LITERATURE.—Study of the various influencing agencies in Old English literature, and the growth and development of Old English thought from the first dawnings of history down to the Norman Conquest. Critical reading of *Beowulf*.

Brother Azarias, *Development of Old English Thought*.

61. PHILOSOPHY OF LITERATURE AND OF STYLE.—An examination into the fundamental principles of literature and style.

Brother Azarias, *Philosophy of Literature*; Spencer, *Philosophy of Style*.

62. PRINCIPLES OF LITERARY CRITICISM.—Examination into the Spiritual in Literature.

Brother Azarias, *Phases of Thought and Criticism*; Gardiner, *The Bible in Literature*; Thomas a Kempis, *The Imitation*; Chateaubriand, *The Genius of Christianity*; Newman, *Essay on the Development of Christian Doctrine*; Gigot, *Introduction to Sacred Scriptures*.

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## FRENCH.

63. François, *Advanced French Prose Composition*  
Molière, *Le Misanthrope*.

Bowen, *French Lyrics*.

Hugo, *Hernani*.

Michelet, *Extraits de l'histoire de France*.

Corneille, *Polyeucte*.



64. HISTORY OF FRENCH LITERATURE IN THE SEVENTEENTH CENTURY.—A study of the political, social, and literary development of France during the Seventeenth Century.

Fortier, *Histoire de la Littérature Française*.

Warren, *French Prose of the Seventeenth Century*.

Selected plays of Corneille, Racine, and Molière.

Boileau, *L'Art Poétique*.

65. HISTORY OF FRENCH LITERATURE IN THE EIGHTEENTH CENTURY.—Life and Times of Voltaire.

Fortier, *Histoire de la Littérature Française*.

Selections from authors studied.

International Correspondence.

66. HISTORY OF FRENCH LITERATURE IN THE NINETEENTH CENTURY.—Special attention to the works of Hugo, de Lamartine, and Chateaubriand. Selections from de Musset, Dumas, Balzac, and de Maupassant.

Faguet, "*Études sur la Littérature Française au XIXème Siècle*."

International Correspondence.

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## GEOLOGY.

67. Descriptive and Determinative Mineralogy; Physical, Historical and Stratigraphical Geology.

Lectures and laboratory work.

68. GEOLOGY.—Lectures and laboratory work. A more advanced discussion of the subjects treated above.

Dana, *Text-book of Geology*.

## GERMAN.

69. Freytag, *Soll und Haben*; Schiller, *Maria Stuart*; Lessing, *Minna von Barnhelm*; Goethe, *Egmont* or *Iphigenie auf Taurus*.  
Prose Composition, Wesselhoeft.

70. Freytag, *Bilder aus der deutschen Vergangenheit*; Sybel, *Die Erhebung Europas*; Dippold, *Scientific German Reader*; Prehn, *Journalistic German*.  
Prose Composition, Harris.

71. Schiller, *Wallenstein*; Lessing, *Nathan des Weise*: international correspondence.

72. HISTORY OF GERMAN LITERATURE.—Lectures, themes, readings.  
International correspondence.

73. Goethe, life and works: *Faust*, *Hermann und Dorothea*, *Tasso*.  
Selections from *Dichtung und Wahrheit*. International correspondence.  
Advanced Prose Composition.

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## HISTORY.

74. ANCIENT HISTORY.—History of Greece, with special reference to its literature, politics, and commerce.

75. ANCIENT HISTORY.—Rome, from the Founding of the City to the Fall of the Western Roman Empire, with special reference to literature, politics, and commerce.

76. MEDIEVAL HISTORY.—From the Fall of the Western to the Fall of Eastern Roman Empire. The Holy Roman Empire and the Papacy receive special attention.

77. THE RENAISSANCE AND THE REFORMATION.—The principal subjects studied are the revival of learning, the age of discovery, the Reformation in England, France and Germany; the 'Thirty Years' War, and the Peace of Westphalia.

78. ENGLISH HISTORY.—In this course special attention is given to the constitutional and social history of England.

79. FRENCH HISTORY.—From the establishment of the French monarchy to the French Revolution.

80. THE HISTORY OF THE NINETEENTH CENTURY, BEGINNING WITH THE YEAR 1815.—This course treats principally of the restoration of the Bourbons, the Revolutions of 1830 and 1848, the Austro-Prussian war, the Franco-Prussian war, the Unification of Germany and of Italy.

81. AMERICAN POLITICAL INSTITUTIONS.—Nature of state and national systems; organization and powers of legislative, executive, and judicial departments of Federal Government.

82. EUROPEAN CONSTITUTIONS.—Political institutions of England and Switzerland as compared with those of the United States.

83. CONSTITUTIONAL HISTORY OF THE UNITED STATES.—Colonial Governments, the confederation, the federal constitution, national vs. state sovereignty.

84. CONSTITUTIONAL HISTORY OF THE UNITED STATES.—War of 1812, federal judiciary, nullification act, state constitutions, the Civil War.

85. THE PHILOSOPHY OF HISTORY, based principally on the works of Balmes, Schlegel and Allies.

86. CHURCH HISTORY.—From the Founding of the Church to the Protestant Reformation, based on the works of Allies, Montalembert, Mann, Janssen, and Pastor. Illustrated lectures including the history and geography of the Holy Land.

## ITALIAN.

87. ELEMENTARY COURSE.—Grammar. Conversation. Dictation. Reading: Bowen's Reader; Cuore, *De Amicis*; Manzoni, *I Promessi Sposi*; Testa, *L' Oro e l'Orpello*.

88. ADVANCED COURSE.—Dante's life and works. Critical study of the *Divina Commedia*.

References: Scartizzini, *Companion to Dante*; Brother Azarias, *Spiritual Idea in Dante's Divina Commedia*.

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## MATHEMATICS.

89. ALGEBRA.—

Hawkes, *Advanced Algebra*.

90. TRIGONOMETRY.—

Wentworth, *Plane and Spherical Trigonometry*.

91. ANALYTICAL GEOMETRY.—Including the general equation of the second degree.

Wentworth, *Analytical Geometry*.

92. ANALYTICAL GEOMETRY.—The straight line, the plane and surfaces of revolution.

Wentworth, *Analytical Geometry*.

93. CALCULUS.—Differential and Integral, with applications to geometry, mechanics, and physics.

Osborne, *Differential and Integral Calculus*.

Linear Differential Equations.

Campbell, *A Short Course in Differential Equations*.

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## MECHANICS.

94. MECHANICS.—Principles of statics and dynamics; elements of hydrostatics.

Loney, *Mechanics and Hydrostatics*.

95. MECHANICS OF MATERIALS.—Resistance and elasticity of materials, cantilever, simple and continuous beams, columns, torsion and shafts, stresses, resilience, tension and compression, flexure in beams, shear and torsion, true and apparent stresses, design and construction of beams in wood and steel, design of girders.

Merriman, *Mechanics of Materials*.

96. MECHANICS OF SOLIDS AND LIQUIDS.—Advanced.

*A knowledge of the calculus will be required for this course.* Statics of concurrent and parallel forces, theory of couples, friction, mass-moments. Theorems of Guldinus, determination of centroids. Rectilinear and parabolic motion. Work and energy. Impulsive forces. Direct and oblique impact. Circular motion. Angular velocity and acceleration. Simple harmonic motion. Motion in a vertical curve. The conical and the ordinary pendulum. Determination of moments of inertia. Theory of potential. Derived units and their dimensions. Pressure due to gravitating liquids, center of pressure, equilibrium of floating bodies, determination of metacenter. The barometer and its application to hypsometry. Compressed-air manometers, exhausting and condensing air-pumps.

Maurer, *Technical Mechanics*.

97. THERMODYNAMICS.—Heat, steam, fuel economy, engine construction, engine tests, boiler construction and tests.

Lectures supplemented by visits to plants and examinations of machines in actual operation.

Jamieson, *The Steam Engine*.

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## ORATORY.

98. ELOCUTION.—Beginners' course in the principles of declamation, with weekly exercises.



99. ELOCUTION.—Advanced courses in the principles of declamation, with weekly exercises.

100. FORENSICS.—Study and analysis of typical British and American argumentative orations.

101. DEBATES.—Theory of the preparation of debates. Oral discussion of questions of the day.

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## PEDAGOGY.

102. PRINCIPLES OF TEACHING.—Importance of knowledge of physical, mental, and moral laws. Development of mental power. The teacher and his qualifications. School organization, hygiene, and discipline. Aids to teaching. Art of questioning and answering. Class examinations.

Butler, *The Meaning of Education*.

Dewey, *School and Society*.

Harris, *Psychologic Foundations of Education*.

Horne, *The Philosophy of Education*.

Shaw, *School Hygiene*.

103. THEORY AND PRACTICE OF TEACHING.—Foundations of method and general principles. Analysis and synthesis. Individual vs. simultaneous method. Class exercises and drill on subjects taught in elementary and secondary schools.

Landon, *Principles and Practice of Teaching*.

Frère Achille, *Méthodologie and Vade Mecum*.

Brothers of the Christian Schools, *Practical Pedagogy*.

104. HISTORY OF EDUCATION.—*Pre-Christian Era*: Chinese, Hindoos, Egyptians, Persians, Israelites, Greeks, and Romans. Notes of the educational leaders in each. Education during the Middle Ages: Monasticism, Scholasticism. The Crusades. Rise of Universities. Noted educators.

Brother Azarias, *Educational Essays*.

Drane, *Christian Schools and Scholars*.



105. HISTORY OF EDUCATION.—Period of the Renaissance, its characteristics; humanistic educators. Special study of the following educators: Sturm, Loyola, Fénelon, De La Salle, Locke, Rousseau, Basedow, Pestalozzi, Froebel, Comenius, Jacotot, Spencer, Mann, Barnard, Parker. History of the school system of the state of New York.

Monroe, *Text-book in the History of Education*; Davidson, *A History of Education*; Painter, *A History of Education*.

106. SPECIAL METHOD.—

Elementary English.

Chubb, *The Teaching of English*.

Arnold, *Reading, How to Teach It*.

Hinsdale, *Teaching the Language Arts*.

Hall, *How to Teach Reading*.

Farnham, *The Sentence Method*.

Secondary English.—

Carpenter, Baker, and Scott, *The Teaching of English*.

Laurie, *Language and Linguistic Method*.

Bates, *Talks on the Study of Literature*.

Corson, *The Aims of Literary Study*.

Elementary History.—

McMurry, *Special Method in History*.

*Report of the Committee of Seven*.

*Report of the Committee of Ten*.

*Report of a Committee of the National Historical Association on the Teaching of History in Elementary Schools*.

Secondary History.—

Bourne, *The Teaching of History and Civics*.

Langlois and Seignobos, *Introduction to the Study of History*.

Lamprecht, *What is History?*

*Report of the Committee of Seven*.

Elementary Mathematics:

Smith, *The Teaching of Elementary Mathematics*.

McLellon and Dewey, *The Psychology of Number*.

Fitch, *Lectures on Teaching*.

Secondary Mathematics:

Fink, *History of Mathematics*.

Young, *The Teaching of Mathematics in Prussia*.

De Morgan, *On the Study and Difficulties of Mathematics*.

Young, *The Teaching of Mathematics in Secondary School*.

Elementary Science:

Redway, *The New Basis of Geography*.

Geikie, *The Teaching of Geography*.

Bailey, *The Nature Study Idea*.

Hodge, *Nature Study and Life*.

Secondary Science:

Lloyd and Bigelow, *The Teaching of Biology*.

Smith and Hall, *The Teaching of Chemistry and Physics*.

Foreign Languages: French and German.

Widgery, *The Teaching of Languages in Schools*.

Bagster-Collins, *The Teaching of German in Secondary Schools*.

*Report of the Committee on Modern Languages*.

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PHILOSOPHY.

107. FORMAL LOGIC.—The idea. Errors as to the nature of ideas in modern English and German philosophy. Definition. Division. The nature of judgment. The value of the syllogism.

108. CRITICAL LOGIC.—The possibility of certainty. Scepticism. Veracity of the senses and the intellect. Idealism. Realism. Universals. Authority and belief.

109. METHOD.—General principles. Special methods. Deduction and induction. Methods of observation. Methods of examination.

110. METAPHYSICS.—The Aristotelian transcendentals. Reality of substances. Causation. Errors concerning causation. Final causes.

111. COSMIC PHILOSOPHY.—Nature, origin, and duration of the universe. Ultimate constituents of bodies. Theory of matter and form. Laws of nature. Possibility of miracles. The concepts of natural science and scholastic philosophy.

112. PSYCHOLOGY.—Rational vs. experimental psychology; value of each. Faculty, habit, and action. The life principle. Vegetative Life. Theory of sensation. Qualities of sensation. Intellection. Attention. Apperception. Association of ideas. Evolutionism. Heredity. Freedom of will. Spirituality and immortality of the soul. Psychology and the teacher.

113. EPISTEMOLOGY.—Critical examination of various theories of knowledge.

114. NATURAL THEOLOGY.—Proof of God's existence and providence—Deism, pantheism, agnosticism, atheism. Existence of evil. Preservation of creatures. Divine concurrence.

115. GENERAL ETHICS.—Nature of a human act. Ultimate end of human actions. Determinants of morality. Does the end justify the means? Hindrances to the perfection of a human act. The passions, habit, virtue, vice.

116. SPECIAL ETHICS.—Man's rights and duties as an individual. Man's duties to God. Adoration, love, obedience. Man's duties to his neighbor as regards soul and body. Man's duties to himself as to soul and body. Suicide and dueling. Man's rights and duties as citizen. The state. Its constituent elements. Its origin, end, scope, and limits. Common law of nations. Peaceful relations among nations. Ecclesiastical society. The Church. Its origin and constitution. Its end and limits. Its superiority to the state. Its mission to the modern world.

117. EXPERIMENTAL PSYCHOLOGY.—Elements and general methods. Elements of mental life; sensation, feeling, conation. Experiments on the outer senses and on the association of ideas with special application to Pedagogy.

118. HISTORY OF ANCIENT PHILOSOPHY.—Principles of the great Founders of Ancient Schools, their vitality as illustrated in modern views. History of Medieval Philosophy. History of Modern Philosophy.

Turner, *History of Philosophy*.

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## PHYSICS.

119. LIGHT.—Laws of propagation; velocity and intensity of light. Photometry. Reflection and refraction; formation of images by mirrors and lenses. Spectrum analysis and study of optical instruments.

Stewart, *Text-book of Light*.

HEAT.—Temperature and its measurement. Expansion of solids, liquids, and gases. Change of state. Conduction, convection, radiation and absorption of heat. Vapor tension. Latent heat and specific heat. Relation between heat and work; energy, actual and potential.

Stewart, *Text-book of Heat*.

SOUND.—Production and propagation, velocity, reflection, and refraction. Simple cases of resonance and interference. Intensity, pitch, and quality. Transverse vibrations of strings. Longitudinal vibration of columns of air and of rods; vibrations of plates and membranes. Determination of pitch and wave-length. Döppler's principle and applications.

120.—ELECTRICITY AND MAGNETISM.—Fundamental phenomena of static electricity; general laws of distribution and induction. The Leyden jar and other condensers. Influence machines. Atmospheric electricity. Use of quadrant electrometer. Primary and secondary batteries; electromotive force, strength of current, division of current in a network of conductors. Ohm's law and applications. Magnetic, thermal, and chemical effects of the current. Laws of electrolysis. Measurement of current and resistance. The electromagnet. Current induction, induction by magnets, the induction coil. Continuous-current dynamo and motor; the alternator. The electric transmission of energy. Electric lighting. Thermo-electric currents. Telegraphy and telephony. Permanent magnets and molecular theory; magnetic induction; the magnetic circuit. Comparison of magnetic fields. Theory and use of the magnetometer and dip-circle. Terrestrial magnetism and determination of the magnetic elements; magnetic charts.

Thompson, *Lessons in Electricity and Magnetism*.

PHYSICAL LABORATORY.—Study of the magnetic field due to a magnet or combination of magnets. Curve of free magnetism. Law of the inverse square. Comparison of magnetic moments. The ratio  $\frac{M}{H}$ , also the product  $MH$ . Determination of magnetic dip. Laying out the meridian; magnetic declination. Measurement of electromotive force. Resistance of metallic and liquid conductors. Capacity of condensers. Battery resistance and current strength. Measurements relating to storage batteries. Use of the tangent galvanometer, ammeter and voltmeter for direct and alternating currents; the electro-dynamometer; the copper voltameter. Quantitative estimate of heat development in a circuit.



## RELIGION.

### CHRISTIAN DOCTRINE.

121. DOGMA.—Explanation of the principal dogmas, with special insistence on the continuity of the Church. The Church and science. Objections.

Christian Brothers, *Manual of Christian Doctrine*.

122. MORAL.—Explanation of the fundamental principles of Christian morality as contained in the decalogue.

Christian Brothers, *Manual of Christian Doctrine*.

123. WORSHIP.—Grace, prayer, and the sacraments, with special references to the Council of Trent and the tenets of Protestantism.

Christian Brothers, *Manual of Christian Doctrine*.

124. APOLOGETICS.—Nature and necessity of Revelation. Its criteria. Modern objections.

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## SPANISH.

125. ELEMENTARY COURSE.—Grammar, reading, dictation, composition; De Tornos' Method; Ramsey's *Elementary Reader*; Alarcon, *El Capitan Veneno*; Galdós, *Doña Perfecta*, *Marianela*; Valera, *El Pájaro Verde*; Fernandez de Moratin, *El Sí de las Niñas*.

126. INTERMEDIATE COURSE.—Grammar, reading, dictation, composition; Ford's *Spanish Composition*; Valdes, *José*; Cervantes, *Don Quijote*; Larra, *Partir á Tiempo*; Pereda, *Pedro Sanchez*; Valera, *Estudios Criticos*.

127. ADVANCED COURSE.—Composition, reading of classic dramas: Calderon, *El Principe Constante*; *La Vida es Sueño*; Lope de Vega, *La Estrella de Sevilla*. Study of Spanish Literature.

Reference: Fitz-James Kelly, *History of Spanish Literature*.



# OFFICERS OF MANHATTAN COLLEGE ALUMNI SOCIETY.

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(\* Deceased.)

|                                  |               |                         |
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| ALLEN, MAURICE J., C.E.          | '03           | NEW YORK, N. Y.         |
| BANNAN, JOHN F., M.A.            | '83           | ANDOVER, MASS.          |
| *BARAT, FRANCIS M., F.S.C., M.A. | Causa honoris |                         |
|                                  | '00           | NEW YORK, N. Y.         |
| BARRY, WALTER J.                 | '96           | NEW YORK, N. Y.         |
| BARRY, JOHN H., M.S., M.D.       | '87           | LONG ISLAND CITY, N. Y. |
| BARTLEY, REV. JAMES R.           | '99           | PROVIDENCE, R. I.       |
| BELLEW, MAURICE J., M.A.         | '97           | NEW YORK, N. Y.         |
| BENNETT, JOSEPH W., C.E.         | '98           | NEW YORK, N. Y.         |
| *BERGEN, GEORGE A.               | '75           | NEW YORK, N. Y.         |
| BERRY, RICHARD A., C.E.          | '03           | NEW YORK, N. Y.         |
| *BIGLEY, REV. JOSEPH A., M.A.    | '73           | NEW YORK, N. Y.         |
| BIRMINGHAM, EDWARD A.            | '99           | BRIDGEPORT, CONN.       |
| BIRMINGHAM, ABRAM W.             | '00           | NEW YORK, N. Y.         |
| *BOERUM, JOHN T.                 | '81           | OYSTER BAY, N. Y.       |
| BOLAND, WILLIAM F.               | '89           | NEW YORK, N. Y.         |
| BOLAND, REV. BERNARD J.          | '98           | SOMERSET, KY.           |
| BOLEN, JOHN C.                   | '94           | BROOKLYN, N. Y.         |
| BOLGER, EDWIN A., M.A.           | '00           | BROOKLYN, N. Y.         |
| BOWYER, HENRY M., M.A.           | '73           | NEW YORK, N. Y.         |
| BOYLAN, JAMES A., M.A.           | '91           | NEW YORK, N. Y.         |
| *BOYLE, JAMES R.                 | '98           | NEW YORK, N. Y.         |
| BRADY, REV. BERNARD F., M.A.     | '82           | NEW YORK, N. Y.         |
| BRADY, JAMES C.                  | '85           | NEW YORK, N. Y.         |
| BRADY, JOHN J., M.A.             | '88           | ALBANY, N. Y.           |
| *BRENNAN, REV. PATRICK H., M.A.  |               |                         |
|                                  | '71           | NEW YORK, N. Y.         |
| BRENNAN, JOHN F., M.A.           | '75           | YONKERS, N. Y.          |
| BRENNAN, REV. JOSEPH P., M.A.    | '75           | NEW YORK, N. Y.         |
| BRENNAN, JOHN A.                 | '75           | NEW YORK, N. Y.         |
| *BRENNAN, JAMES J., M.A.         | '81           | NEW YORK, N. Y.         |
| BRENNAN, ANDREW J.               | '81           | NEW YORK, N. Y.         |
| BRENNAN, REV. JOHN C.            | '91           | LAKEVILLE, CONN.        |

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| BRENNAN, H. DURANQUET          | '00           | NEW YORK, N. Y.       |
| *BRENNAN, FRANCIS R.           | '01           | NEW YORK, N. Y.       |
| BRIODY, REV. JOHN H., M.A.     | '83           | MATTEAWAN, N. Y.      |
| BRITT, PHILIP J.               | '85           | NEW YORK, N. Y.       |
| *BROPHY, REV. JOHN, M.A.       | Causa honoris |                       |
|                                | '81           | NEW YORK, N. Y.       |
| BROPHY, JOHN P., M.A.          | Causa honoris |                       |
|                                | '94           | NEW YORK, N. Y.       |
| BROWN, REV. JAMES J.           | '88           | YONKERS, N. Y.        |
| BROWNE, VALENTINE J., M.D.     | '96           | YONKERS, N. Y.        |
| *BUCKLEY, JOHN J., M.A.        | '87           | NEW YORK, N. Y.       |
| BURDETT, LESTER C.             | '05           | FORT LEE, N. J.       |
| BURKE, DION W., Jr.            | '02           | NEW YORK, N. Y.       |
| BURKE, WILLIAM J.              | '94           | NEW YORK, N. Y.       |
| BURKE, JOSEPH P., D.S., M.D.   | '93           | BUFFALO, N. Y.        |
| *BURNS, REV. JOHN H.           | '76           | ALBANY, N. Y.         |
| BURROUGH, WILLIAM F.           | '95           | NEW YORK, N. Y.       |
| BURROWS, LEO C.                | '06           | NEW YORK, N. Y.       |
| *BUTLER, REV. WILLIAM R., M.A. | '84           | NEW YORK, N. Y.       |
| BYRNE, THOMAS F., M.A.         | '74           | NEW YORK, N. Y.       |
| BYRNES, REV. JAMES M., M.A.    | '74           | STATEN ISLAND, N. Y.  |
| *BYRNES, JOHN H., M.A.         | Causa honoris |                       |
|                                | '91           | NEW YORK, N. Y.       |
| BYRNE, REV. JOHN J.            | '96           | PORT JERVIS, N. Y.    |
| BYRNES, WILLIAM T.             | '05           | NEW YORK, N. Y.       |
| *BYRON, REV. JOSEPH, M.A.      | Causa honoris |                       |
|                                | '81           | NEW YORK, N. Y.       |
| CAHILL, JAMES A.               | '99           | PROVIDENCE, R. I.     |
| CAHILL, WILLIAM J.             | '02           | ALBANY, N. Y.         |
| CALLAHAN, DENIS G., M.D.       | '97           | BROOKLYN, N. Y.       |
| CALLAN, WILLIAM J., M.A., M.D. | '79           | BROOKLYN, N. Y.       |
| CAMPBELL, MICHAEL J.           | '81           | BROOKLYN, N. Y.       |
| CAMPBELL, PETER J., M.D.       | '90           | UTICA, N. Y.          |
| CAPONIGRI, JOSEPH F.           | '02           | NEW YORK, N. Y.       |
| CAREY, JAMES T., M.A.          | '73           | NEW YORK, N. Y.       |
| CARMAN, REV. DANIEL A.         | '00           | NEW YORK, N. Y.       |
| *CARNEY, REV. MICHAEL          | '70           | DEERFIELD, N. Y.      |
| CAROLAN, JAMES P.              | '69           | CHICAGO, ILL.         |
| CARR, REV. JOHN F., M.A.       | '78           | WILLIAMSBRIDGE, N. Y. |
| CARR, REV. PATRICK F., M.A.    | '75           | DUNSMUIR, CAL.        |
| CASEY, EDWARD F., M.A.         | '85           | NEW YORK, N. Y.       |
| CASEY, WALTER T.               | '99           | PITTSFIELD, MASS.     |

CASSERLY, REV. CHARLES P., C.S.P.

'99 . NEW YORK, N. Y.  
CASTLES, PATRICK J. . . '93 . ELIZABETH, N. J.  
CHANDLER, REV. JAMES A. . . '98 . ALBANY, N. Y.  
CHERRY, REV. DANIEL F. . . '83 . LONG ISLAND, N. Y.  
CHERRY, REV. JOSEPH B. . . '97 . NEW YORK, N. Y.  
CHIDWICK, REV. JOHN P., M.A. '83 . NEW YORK, N. Y.  
\*CLANCY, REV. ANDREW J., M.A.

'77 . NEW YORK, N. Y.  
\*CLANCY, REV. PATRICK J., M.A. '80 . NEW YORK, N. Y.  
CLARK, THOMAS F. . . . '67 . UTICA, N. Y.  
\*CLARKIN, PHILIP P. . . . '86 . NEW YORK, N. Y.  
CLARKIN, HENRY J., C.E. . . '04 . NEW YORK, N. Y.  
CLAYTON, EUGENE F., C.E. . . '02 . NEW YORK, N. Y.  
CLEARY, WILLIAM J. . . . '98 . BROOKLYN, N. Y.  
CLOGHER, AMBROSE . . . . '94 . PITTSFIELD, MASS.  
CLOGHER, WILLIAM E. . . . '94 . HINSDALE, MASS.  
COCKRAN, W. BOURKE, LL.D.

Causa honoris

'02 . NEW YORK, N. Y.  
COFFEY, REV. JAMES M. . . . '84 . MANSFIELD, MASS.  
COFFEY, REV. JOHN, LL.D., Causa honoris

'85 . ONTARIO, CANADA.  
COHALAN, DANIEL F., M.A. . . '85 . NEW YORK, N. Y.  
COHALAN, MICHAEL J., M.A. . . '89 . NEW YORK, N. Y.  
COHALAN, JOHN P. . . . . '93 . NEW YORK, N. Y.  
COHALAN, TIMOTHY E., M.A. . . '97 . NEW YORK, N. Y.  
COHALAN, DENIS O'LEARY . . '02 . NEW YORK, N. Y.  
COLEMAN, REV. THOMAS J., M.A. '71 . FAIRFIELD, CONN.

COLGAN, REV. EDWARD J., M.A. '87 . WARREN, R. I.  
COLLINS, REV. JAMES A. . . . '90 . OSSINING, N. Y.  
COLLINS, CORNELIUS A. . . . '94 . STATEN ISLAND, N. Y.  
CONATY, REV. PETER P. . . . '97 . NEW YORK, N. Y.  
CONCANNON, MALACHY J. . . . '83 . IRELAND.  
CONDON, RICHARD L., M.A. . . '75 . YONKERS, N. Y.  
CONKLIN, WILLIAM A. . Causa honoris

'81 . NEW YORK, N. Y.  
CONLAN, JOSEPH J., F.S.C., M.A. '81 . NEW YORK, N. Y.  
CONLAN, REV. JOHN A. . . . '95 . MERIDEN, CONN.  
CONNELL, EDWARD J., M.D. . . '95 . BEDFORD PARK, N. Y. C.  
CONNELL, JOHN A. . . . . '00 . NEW YORK, N. Y.  
CONNELLY, JOSEPH A. . . . . '02 . NEW YORK, N. Y.  
CONOLLY, JOHN N. . . . . '04 . ROCKAWAY PARK, N. Y.  
CONNOLLY, REV. WILLIAM T. '97 . SHRUB OAK, N. Y.  
CONNOR, DANIEL P. . . . . '94 . MANCHESTER, N. H.

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|---------------------------------------|-----|-----------------------------|
| CONNOR, FRANCIS J. . . . .            | '94 | NEW YORK, N. Y.             |
| *COONEY, JOHN H. . . . .              | '70 | ALBANY, N. Y.               |
| CONSIDINE, REV. MICHAEL J., M.A.      |     |                             |
|                                       | '76 | NEW YORK, N. Y.             |
| CONWAY, LOUIS J. . . . .              | '02 | TROY, N. Y.                 |
| *CORCORAN, CHARLES H. . . . .         | '82 | NEW YORK, N. Y.             |
| CORRIDAN, REV. JAMES P. . . . .       | '97 | NEW YORK, N. Y.             |
| *CORR, REV. JOHN J. . . . .           | '70 | NEW YORK, N. Y.             |
| CORR, NICHOLAS F. . . . .             | '84 | NEW YORK, N. Y.             |
| *COSTAIN, JAMES E., M.A. . . . .      | '80 | WESTFIELD, MASS.            |
| COSTELLO, RICHARD R., M.A. . . . .    | '95 | NEW YORK, N. Y.             |
| COSTELLO, CHARLES A., M.S. . . . .    | '97 | NEW YORK, N. Y.             |
| COSTELLO, EDWARD T. . . . .           | '05 | NEW YORK, N. Y.             |
| COSTIGAN, GREGORY J., M.A., M.D.      |     |                             |
|                                       | '88 | NEW YORK, N. Y.             |
| COTTER, REV. JAMES H., M.A., LL.D.    |     |                             |
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| CURTIN, JOHN J., M.A.                | '00 | BROOKLYN, N. Y.    |
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| GREENE, REV. JOHN J., M.A.                | '79           | HARTFORD, ILL.       |
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| HAGGERTY, TIMOTHY J.                      | '88           | BROOKLYN, N. Y.      |
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| HUGHES, WILLIAM C., M.A.        | '96           | BROOKLYN, N. Y.         |
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| HURLEY, DANIEL J.               | '83           | NEW YORK, N. Y.         |
| HYNES, JOSEPH E.                | '05           | TROY, N. Y.             |
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| KEAN, JOHN J., M.A.             | '02           | BROOKLYN, N. Y.         |
| KEARNEY, ALFRED A.              | '79           | NEW YORK, N. Y.         |
| KEARNEY, CHARLES R.             | '82           | NEW YORK, N. Y.         |
| KEARNEY, JOHN J.                | '92           | NEW YORK, N. Y.         |
| KEARNS, THOMAS J.               | '02           | NEW YORK, N. Y.         |
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| KELLY, REV. JOHN T.            | '96           | NEW YORK, N. Y.      |
| KELLY, THOMAS P., F.S.C., C.E. | '99           | OAKLAND, CAL.        |
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 LOUGHRAN, THOMAS V. . '95 . PHILADELPHIA, PA.  
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|                                  | '66           | PHILADELPHIA, PA.    |
| RYAN, JOHN H., M.A.              | '86           | NEW YORK, N. Y.      |
| RYAN, WILLIAM A.                 | '03           | NEW YORK, N. Y.      |
| SAIZAN, JOSEPH P., M.A., M.D.    | '86           | OPELOUSAS, LA.       |
| SALTER, REV. JOHN B., M.A.       | '69           | SPRING VALLEY, N. Y. |
| SANDERS, REV. GEORGE D., M.A.    | '84           | BROOKLYN, N. Y.      |
| SAPHORE, EDWARD E.               | '03           | NEW YORK, N. Y.      |
| SCHLEUTER, FREDERICK P.          | '02           | NEW YORK, N. Y.      |
| SEYMOUR, FIELDING A., M.S., C.E. |               |                      |
|                                  | '94           | NEW YORK, N. Y.      |
| *SHALLEW, WILLIAM J.             | '93           | YONKERS, N. Y.       |
| *SHANDLEY, THOMAS B.             | '83           | NEW YORK, N. Y.      |
| *SHANDLEY, EDWARD F.             | '88           | NEW YORK, N. Y.      |
| SHAW, JAMES J.                   | '83           | WHITE PLAINS, N. Y.  |
| *SHEA, DENIS L., M.A., M.D.      | '87           | NEW YORK, N. Y.      |
| SHEA, JOHN J., M.D.              | '93           | NEW YORK, N. Y.      |
| SHEA, MICHAEL F.                 | '98           | MANCHESTER, N. H.    |
| SHEEHAN, WILLIAM J., M.D.        | '92           | NEW HAVEN, CONN.     |
| SHEEHAN, ROBERT F., M.S., M.D.   | Causa honoris |                      |
|                                  | '06           | BUFFALO, N. Y.       |



|                                  |               |                         |
|----------------------------------|---------------|-------------------------|
| SHEIL, PETER A.                  | '96           | WILLIAMSBRIDGE, N. Y.   |
| SHEIL, JAMES J.                  | '97           | NEW YORK, N. Y.         |
| SHERIDAN, FRANCIS J., M.A.       | '75           | KINGSBRIDGE, N. Y.      |
| *SHERIDAN, REV. PATRICK F., M.A. | Causa honoris |                         |
|                                  | '81           | LONG ISLAND CITY, N. Y. |
| SHERIDAN, PETER P.               | '03           | NEW YORK, N. Y.         |
| SIMS, ALFRED F., M.S.            | '02           | ALBANY, N. Y.           |
| SINNOTT, PHILIP J., M.A.         | '89           | NEW YORK, N. Y.         |
| SINNOTT, REV. EDWARD M.          | '01           | NEW ROCHELLE, N. Y.     |
| SKELLY, LAWRENCE P., M.D.        | '88           | SUSQUEHANNA, PA.        |
| SLATTERY, REV. JOHN T., M.A.     | '86           | STAMFORD, N. Y.         |
| SLEVIN, WILLIAM E.               | '01           | NEW YORK, N. Y.         |
| *SMITH, JOHN N.                  | '75           | NEW YORK, N. Y.         |
| SMITH, JAMES B. F., M.A.         | '77           | NEW YORK, N. Y.         |
| SMITH, J. SHERRY, M.A.           | '78           | CATSKILL, N. Y.         |
| *SMITH, THOMAS W., M.A.          | '82           | NEW YORK, N. Y.         |
| *SMITH, JOHN R., M.A.            | '79           | NEW YORK, N. Y.         |
| SMITH, GEORGE B.                 | '84           | NEW YORK, N. Y.         |
| *SMITH, REV. DENIS E.            | '85           | COHOES, N. Y.           |
| SOUTHERN, WILFRED G.             | '00           | NEW YORK, N. Y.         |
| STACK, JAMES F.                  | '97           | BROOKLYN, N. Y.         |
| STAPLETON, LUKE D., M.A.         | Causa honoris |                         |
|                                  | '89           | NEW YORK, N. Y.         |
| *STAUD, REV. JOHN E.             | '79           | NEW YORK, N. Y.         |
| STEERS, THOMAS H., M.A., M.D.    | '76           | NEW YORK, N. Y.         |
| STEHLE, FELIX C., C.E.           | '92           | NEW YORK, N. Y.         |
| STEPATH, CHARLES U., M.S., C.E.  |               |                         |
|                                  | '98           | NEW YORK, N. Y.         |
| STERNs, WILLIAM S.               | '95           | NEW YORK, N. Y.         |
| STERNs, EDWARD P.                | '97           | NEW YORK, N. Y.         |
| STOKES, JOHN C.                  | '98           | NEW YORK, N. Y.         |
| STRENSKI, REV. EMIL F.           | '04           | JAMAICA, L. I.          |
| SUAREZ, PATRICK A., C.E.         | '04           | HAVANA, CUBA.           |
| *SULLIVAN, DANIEL F.             | '76           | NEW YORK, N. Y.         |
| SULLIVAN, REV. WILLIAM F.        | '85           | SANDWICH, MASS.         |
| SULLIVAN, REV. JOHN F.           | '86           | PROVIDENCE, R. I.       |
| SULLIVAN, JOSEPH F.              | '00           | BROOKLYN, N. Y.         |
| SULLIVAN, JEREMIAH F., M.A.      | '01           | BROOKLYN, N. Y.         |
| SULLIVAN, R. P., M. A., M. D.    | '03           | BROOKLYN, N. Y.         |
| TALTY, FRANCIS E.                | '01           | BUTTONWOOD, R. I.       |
| *TAYLOR, PHILIP R., M.A.         | '71           | ST. LOUIS, Mo.          |
| *THEBAN, WILLIAM H., M.D.        | '91           | NEW YORK, N. Y.         |
| THORNTON, REV. THOMAS A.         | '84           | NEW YORK, N. Y.         |
| THORNTON, MICHAEL J., M.D.       | '97           | NEW YORK, N. Y.         |
| TIERNEY, JOSEPH L.               | '98           | NEW YORK, N. Y.         |



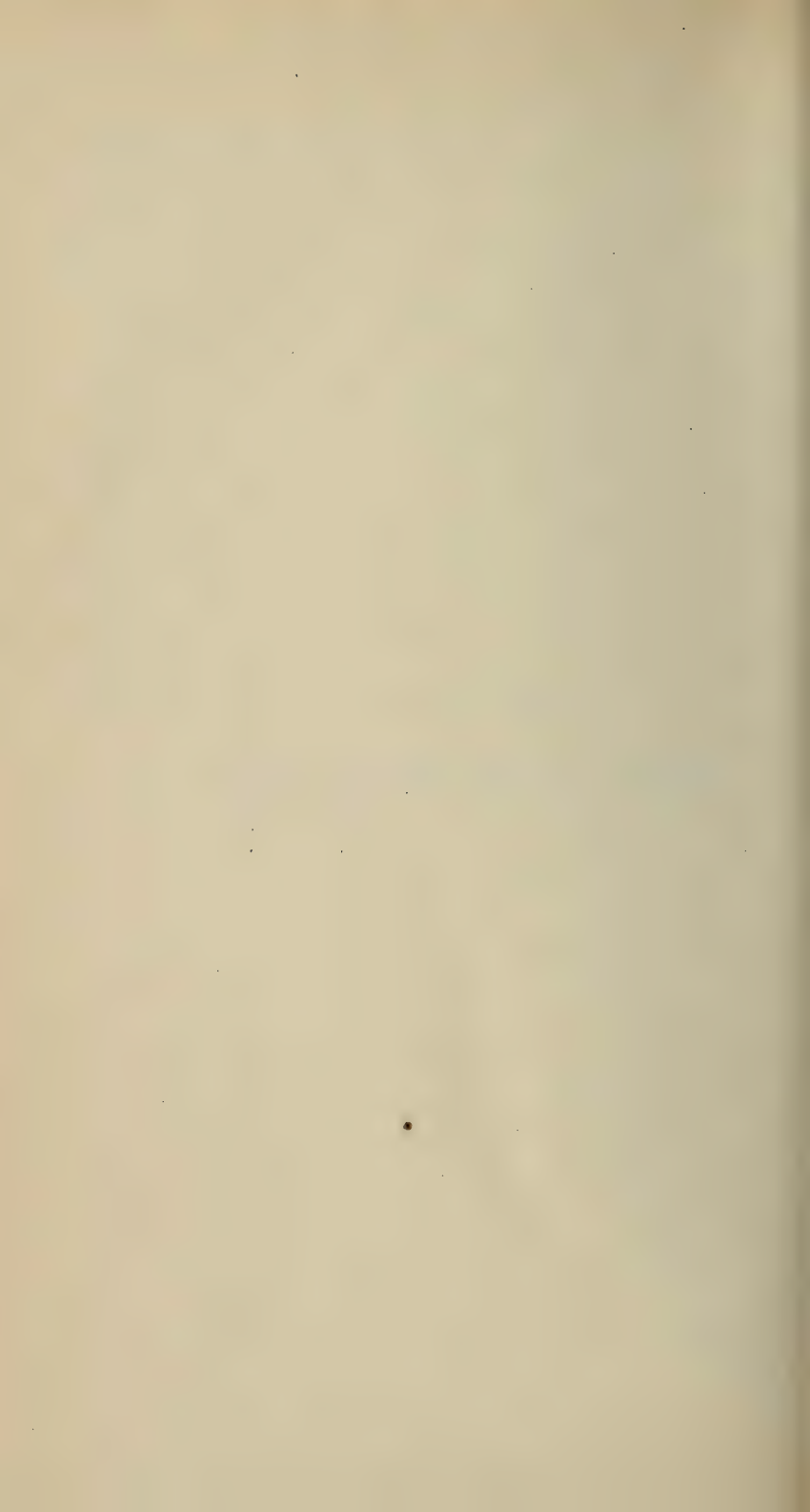
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|-----------------------------------|---|---|---|-----|---------------|----------------------|
| TIMON, JAMES E.                   | . | . | . | '04 | .             | BROOKLYN, N. Y.      |
| *TOBIN, MICHAEL F.                | . | . | . | '92 | .             | NEW YORK, N. Y.      |
| *TONE, FREDERICK A.               | . | . | . | '82 | .             | NEW YORK, N. Y.      |
| TORPEY, REV. WALTER J.            | . | . | . | '83 | .             | WEST WINFIELD, N. Y. |
| TULLY, REV. JOHN F., M.A.         | . | . | . | '83 | .             | CRANSTON, R. I.      |
| VALLELY, WILLIAM P., C.E.         | . | . | . | '03 | .             | NEW YORK, N. Y.      |
| VICTORY, VINCENT                  | . | . | . | '89 | .             | NEW YORK, N. Y.      |
| VILLANYI, EMIL J.                 | . | . | . | '92 | .             | NEW YORK, N. Y.      |
| WALSH, FRANCIS W.                 | . | . | . | '75 | .             | NEW YORK, N. Y.      |
| WALSH, JAMES J., M.A.             | . | . | . | '78 | .             | NEW YORK, N. Y.      |
| *WALSH, THOMAS C.                 | . | . | . | '79 | .             | NEW YORK, N. Y.      |
| *WALSH, REV. MICHAEL              | . | . | . | '89 | .             | NEW YORK, N. Y.      |
| WALSH, PETER D.                   | . | . | . | '89 | .             | BOSTON, MASS.        |
| *WALSH, JOHN J., M.A.             | . | . | . | '89 | .             | BOSTON, MASS.        |
| WALSH, MICHAEL P.                 |   |   |   |     | Causa honoris |                      |
|                                   |   |   |   | '90 | .             | NEW YORK, N. Y.      |
| WALSH, THOMAS F.                  | . | . | . | '94 | .             | NEW YORK, N. Y.      |
| WALSH, JAMES J., M.D.             | . | . | . | '96 | .             | WESTCHESTER, N. Y.   |
| WALSH, REV. PATRICK E.            | . | . | . | '99 | .             | MANCHESTER, N. H.    |
| WALSH, ROBERT J.                  | . | . | . | '01 | .             | NEW YORK, N. Y.      |
| WALSH, REV. MICHAEL A.            | . | . | . | '05 | .             | WESTCHESTER, N. Y.   |
| WARD, WILLIAM J.                  | . | . | . | '96 | .             | BROOKLYN, N. Y.      |
| *WARD, JOHN H., M.S.              | . | . | . | '97 | .             | ALBANY, N. Y.        |
| WATERS, REV. JOHN A., M.A.        | . | . | . | '77 | .             | PORTCHESTER, N. Y.   |
| WEINBERG, EDWARD F.               | . | . | . | '06 | .             | NEW YORK, N. Y.      |
| WELCH, JOSEPH T.                  | . | . | . | '87 | .             | WASHINGTON, D. C.    |
| WENZEL, REV. PAUL A., M.A.        |   |   |   |     | Causa honoris |                      |
|                                   |   |   |   | '82 | .             | SOUTH ORANGE, N. J.  |
| WERNER, JOHN P.                   | . | . | . | '97 | .             | NEW YORK, N. Y.      |
| WHALEN, JOHN, M.A., LL.D.         |   |   |   |     | Causa honoris |                      |
|                                   |   |   |   | '98 | .             | NEW YORK, N. Y.      |
| *WHELAN, WILLIAM A.               | . | . | . | '83 | .             | WATERVLIET, N. Y.    |
| WHELAN, WILLIAM J.                | . | . | . | '94 | .             | NEW YORK, N. Y.      |
| WHITE, PETER P.                   | . | . | . | '79 | .             | GUTTENBERG, N. J.    |
| WHITMORE, BENJAMIN, M.D., LL.D.   |   |   |   |     | Causa honoris |                      |
|                                   |   |   |   | '98 | .             | NEW YORK, N. Y.      |
| WHITNEY, THOMAS B., C.E.          | . | . | . | '97 | .             | NEW YORK, N. Y.      |
| WILDE, WILLIAM E.                 | . | . | . | '87 | .             | NEW YORK, N. Y.      |
| *WILFORD, THOMAS F., M.A.         |   |   |   |     | Causa honoris |                      |
|                                   |   |   |   | '82 | .             | NEW YORK, N. Y.      |
| WILKES, ROBERT W., M.A.           | . | . | . | '02 | .             | NEW YORK, N. Y.      |
| WILLIAMS, ROSWELL D.              | . | . | . | '96 | .             | NEW YORK, N. Y.      |
| WOODMAN, REV. CLARENCE E., C.S.P. |   |   |   |     | Causa honoris |                      |
|                                   |   |   |   | '83 | .             | SAN FRANCISCO, CAL.  |
| YOUNG, JOSEPH A.                  | . | . | . | '93 | .             | BROOKLYN, N. Y.      |
| YORK, REV. JOHN B., M.A.          | . | . | . | '84 | .             | HUNTINGTON, L. I.    |



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HIGH SCHOOL DEPARTMENT

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## HIGH SCHOOL DEPARTMENT.

The aim of this department is to prepare for entrance to the College. The studies conform to the "Syllabus for Secondary Schools" of the New York State Education Department.

The requirements for admission are the preliminary studies prescribed by the Department. The most favorable time for entrance is at the beginning of the scholastic year. The regular examinations for admission take place on the second Monday in September. Students will, however, be received at any time during the year, but not for a period shorter than five months.

The classes are frequently examined, and students are not allowed to pass from one subject to another until they have given evidence of adequate knowledge of the subject. A student who shows by the results of the examinations that he is unable to follow with his class will be placed in a lower grade.

The Inspector examines weekly the record of every pupil and comments upon it before the Professors and students of the class.

Summarized reports of the examinations are forwarded to the parents at the end of each term.

Since each report shows the exact standing of the student, it should be carefully examined by his parent or guardian.

Percentages are estimated as follows: From 90 to 100, excellent; from 80 to 90, very good; from 70 to 80, satisfactory; under 70, unsatisfactory.

Promotions are based on the joint results of the several examinations and the daily marks. No student will be allowed to pass from one class to another unless he has given satisfactory proof of his ability to follow the higher class. Promotions are generally made at the end of the scholastic year, but a student may be promoted at other times, provided his work shows fitness therefor.

Students who fail in the final examination may present themselves for further examination at the opening of the next term.



At least three hours a day should be given to the preparation of class work.

The active co-operation of parents with the Faculty is essential to the progress of the student. Parents are therefore requested to insist upon regular attendance and careful preparation of class work.

Students are expected to act at all times as gentlemen. No one will be retained who is insubordinate or whose society may prove undesirable.

Punctuality at all sessions and recitations is required.

A written excuse from parents or guardian will be required in all cases of absence. This excuse will not be accepted in lieu of omitted class work.

Wednesday and Saturday afternoons are the regular weekly half-holidays.

Students who live in the College may not leave the grounds without authorization.

Visiting hours for resident students are from one to five o'clock Sunday afternoon.

## COURSE OF STUDIES.

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### FIRST YEAR.

- ENGLISH. *Grammar* (3)—  
C. B. *Principles of English Grammar*.  
*Composition* (1)—  
*Literature* (1)—  
Lowell, *The Vision of Sir Launfaul*.  
Scott, *Ivanhoe*.  
Irving, *Sketch Book*.  
Browning, *The Pied Piper and Short Poems*.
- HISTORY. *Ancient* (5)—Wolfson, *Essentials in Ancient History*.
- MATHEMATICS. *Algebra* (4)—First XVIII. chapters.  
Wentworth, *Elementary Algebra*.  
*Arithmetic* (2)—Review of pre-Academic Course.  
Christian Brothers, *Complete Arithmetic*.
- FRENCH. *Grammar* (5)—  
François, *Beginner's French*.  
Guerber, *Contes et Legendes*, Part I.
- DRAWING. *Linear* (1)—Book I. Begun.  
Christian Brothers, *Elementary Course*.
- LOCUTION. (1)
- CHRISTIAN DOCTRINE. (2) First ten lessons.  
Kinkead, *Catechism*, No. 3.

## SECOND YEAR.

### FIRST TERM.

ENGLISH. *Composition* (2)—Elements.

Gardiner, Kittredge, and Arnold, *The Mother Tongue*.

*Literature* (2)

*The Sir Roger de Coverley Papers* in the  
"Spectator."

Shakespeare, *As You Like It*.

HISTORY. *Medieval and Modern European* (5)

Harding, *Essentials in Medieval and Modern European History*.

MATHEMATICS.

*Geometry* (3)—Books I. and II.

Wentworth, *Plane Geometry*.

*Algebra* (2)—Chapters XVIII. to XXII.

Wentworth, *Elementary Algebra*.

FRENCH. *Grammar and Literature* (4)

François, *Beginner's French*; Daudet, *Trois Contes choisis*; Labiche et Martin, *La Poudre aux Yeux*; Mairat; *La Tâche du Petit Pierre*.

GERMAN. *Grammar and Literature* (4)

Spanhooff, *Lehrbuch der deutschen Sprache*.  
Guerber, *Märchen und Erzählungen*, Part I.

DRAWING. *Linear* (1) Second part of Book I.

Christian Brothers, *Elementary Course*.

ELOCUTION.

(1)

CHRISTIAN DOCTRINE.

(2) Lessons X. to XXI.

Kinhead, *Catechism*, No. 3.

## SECOND TERM.

ENGLISH. *Composition* (2)—Elements.  
                   Gardiner, Kittredge, and Arnold, *The Mother Tongue*.  
*Literature* (2)—George Eliot, *Silas Marner*.  
                   Goldsmith, *The Deserted Village*.

## MATHEMATICS.

*Geometry* (5)—Books III., IV., and V.  
                   Wentworth, *Plane Geometry*.

|                     |     |   |                 |
|---------------------|-----|---|-----------------|
| HISTORY             | (5) | } | See First Term. |
| FRENCH.             | (4) | } |                 |
| GERMAN.             | (4) | } |                 |
| DRAWING.            | (1) | } |                 |
| ELOCUTION.          | (1) | } |                 |
| CHRISTIAN DOCTRINE. | (2) | } |                 |

## THIRD YEAR.

### FIRST TERM.

ENGLISH. *Rhetoric* (2)—The Forms of Discourse.  
                   Gardiner, Kittredge, and Arnold, *The Mother Tongue*.  
*Literature* (2)—Ruskin, *Sesame and Lilies*; Shakespeare, *Julius Caesar*.

HISTORY. *English* (4)  
                   Montgomery, *Leading Facts of English History*.

## MATHEMATICS

*Geometry* (4)—Solid.  
                   Wentworth, *Plane and Solid Geometry*.

FRENCH. *Literature* (4)—Halévy, *L' Abbé Constantin*; Racine, *Esther*; Enault, *Le Chien du Capitaine*; Molière, *Le Bourgeois Gentilhomme*.

GERMAN. *Literature* (4)—Anderson, *Bilderbuch ohne Bilder*; Zschokke, *Der Zerbrochene Krug*; Hillern, *Hoher als die Kirche*; Benedix, *Der Prozess*.  
Oral and written exercises based on the text read.

DRAWING. *Linear* (1)—Book II. Begun.  
Christian Brothers, *Elementary Course*.

PHYSICS. *Lectures and Recitations* (3)  
*Laboratory* (1) (Double Period.)  
Millikan and Gale, *First Course in Physics*.

ELOCUTION (1)

CHRISTIAN DOCTRINE. (2) Lessons XXI. to XXX.  
Kinkead, *Catechism*, No. 3.

## SECOND TERM.

ENGLISH. *Composition and Rhetoric* (2)—The forms of Discourse course.

Gardiner, Kittredge, and Arnold, *The Mother Tongue*.

*Literature* (2)—Review of books read in preceding term.

MATHEMATICS. *Advanced Arithmetic* (4)

|                     |     |                   |
|---------------------|-----|-------------------|
| CHRISTIAN DOCTRINE. | (2) | } See First Term. |
| ELOCUTION.          | (1) |                   |
| PHYSICS.            | (4) |                   |
| DRAWING.            | (1) |                   |
| GERMAN.             | (4) |                   |
| FRENCH.             | (4) |                   |
| HISTORY.            | (4) |                   |



## FOURTH YEAR.

### FIRST TERM.

ENGLISH. *Literature* (2)—Burke, *Speech on Conciliation with America*; Webster, *First Bunker Hill Oration*; Milton, *Minor Poems*.

*Composition and Rhetoric* (2)—Paragraphs, Sentences, and Words. Gardiner, Kittredge, and Arnold, *The Mother Tongue*.

HISTORY. *American and Civil Government* (4)  
Montgomery, *Students' American History*.

### MATHEMATICS.

*Plane and Spherical Trigonometry* (4)  
Wentworth, *Plane and Spherical Trigonometry*.

FRENCH. *Composition and Literature* (4)—François, *Introductory Prose Composition*; Racine, *Athalie*; Bernardin de Saint Pierre, *Paul et Virginie*; Molière, *L'Avare*; Muller, *Les Grandes Découvertes Modernes*; Corneille, *Le Cid*.

GERMAN. *Literature* (4)—Riehl, *Der Fluch des Schoneheit*; Freytag, *Die Journalisten*; Schiller, *Wilhelm Tell*; Selections from Hatfield's *German Lyrics and Ballads*.

DRAWING. *Linear* (I) Book II. (Finished).  
Christian Brothers, *Elementary Course*.

ELOCUTION. (I)

### CHEMISTRY.

*Lectures and Recitations* (3)  
*Laboratory* (I) (Double Period).  
Newell, *Descriptive Chemistry*.

CHRISTIAN DOCTRINE (2)—Lessons XXX. to XXXVII.  
Kinkead, *Catechism*, No. 3.

## SECOND TERM.

ENGLISH. *Literature* (2)—Carlyle, *Essay on Burns*; Shakespeare, *Macbeth*.

*Composition and Rhetoric* (2)—Paragraphs, Sentences, and words.

Gardiner, Kittredge, and Arnold, *The Mother Tongue*.

### MATHEMATICS.

*Advanced Algebra* (4)

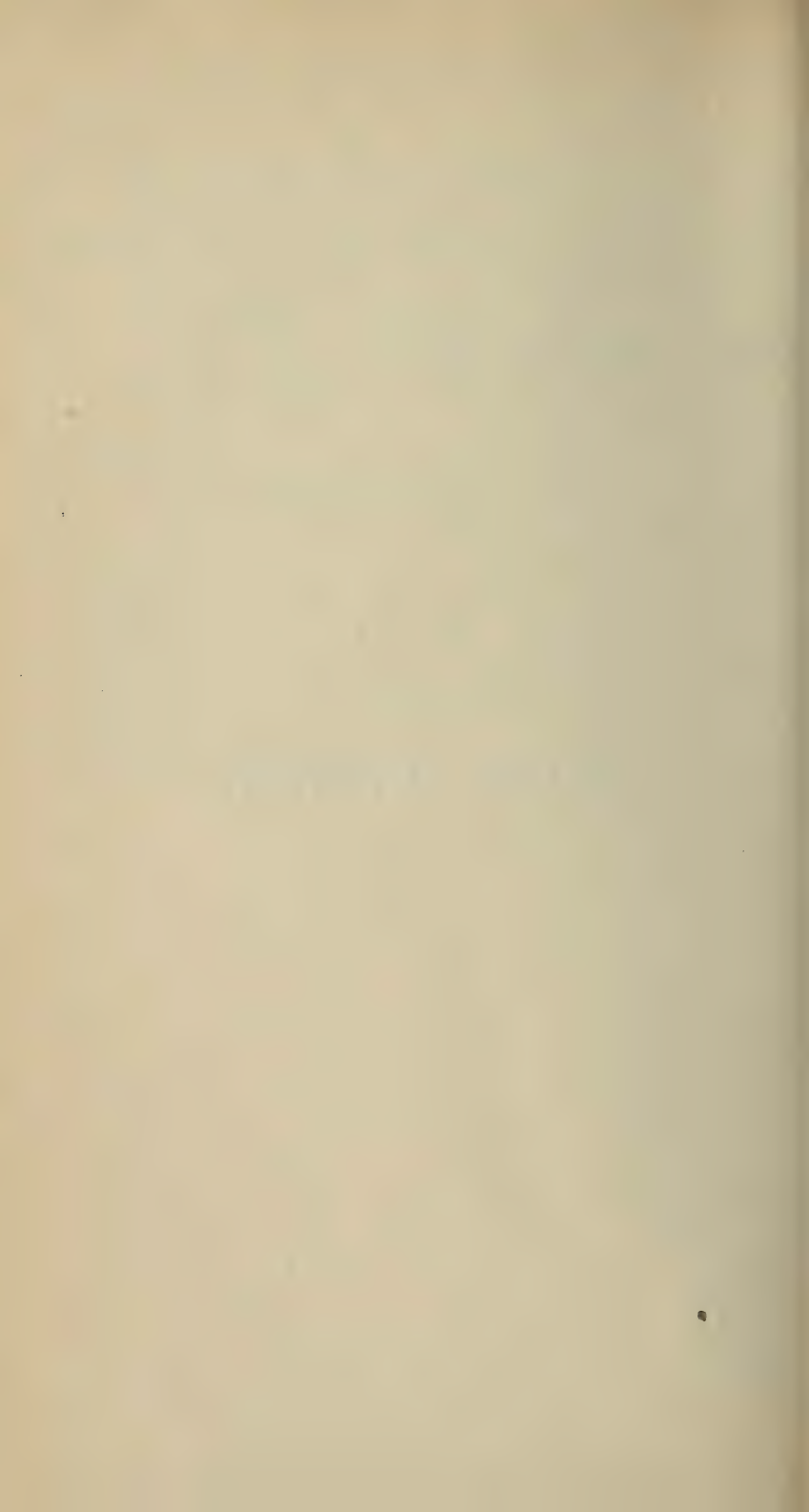
Hawkes, *Advanced Algebra*.

|                     |     |                   |
|---------------------|-----|-------------------|
| HISTORY.            | (4) | } See First Term. |
| FRENCH.             | (4) |                   |
| GERMAN.             | (4) |                   |
| DRAWING.            | (1) |                   |
| CHEMISTRY.          | (4) |                   |
| ELOCUTION.          | (1) |                   |
| CHRISTIAN DOCTRINE. | (2) |                   |

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COMMERCIAL DEPARTMENT

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## COMMERCIAL DEPARTMENT.

Students who desire to prepare for mercantile life will find every facility in the Commercial Department. This department does not limit itself to purely business branches. Subjects of general culture are also included.

English composition and letter-writing receive special attention, and the student is required to treat prescribed subjects in a manner that will enable him to write with ease and elegance. Questions relating to political economy and commercial law are discussed in the class-room in order to give the student ideas on the vital questions of daily life. Weekly lessons are given in the art of public speaking, in order that the student may acquire a graceful and easy delivery.

The mathematics taught include a complete course of commercial arithmetic and an elementary course of geometry and algebra.

The students receive a thorough course in standard business methods and in banking transactions.

Phonography and typewriting are essential to the course, and ample opportunity is offered for practice in these branches of office work.

The rules governing the Commercial Department are similar to those of the High School Department.

Students who complete the commercial course receive a Certificate as a guarantee of their fitness for mercantile employment.

## PRIZES AND MEDALS.

The Brother Charles Memorial Medal, founded by the Commercial Alumni Society, is awarded to the student who has the highest record for general proficiency.

The Kean Medal for religious instruction, donated by the Rev. John J. Kean, '66, is open to all students of the Commercial Department.



## COURSE OF STUDIES.

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### FIRST YEAR.

|                     |     |                                                                   |
|---------------------|-----|-------------------------------------------------------------------|
| CHRISTIAN DOCTRINE. | (2) | } See Course of Studies High<br>School Department, First<br>Year. |
| ELOCUTION.          | (1) |                                                                   |
| DRAWING.            | (1) |                                                                   |
| MATHEMATICS         | (6) |                                                                   |
| HISTORY             | (5) |                                                                   |
| ENGLISH             | (5) |                                                                   |

BOOK-KEEPING (3)—Business Transactions. Drills in preparing business papers, Use of Cash Book, Sales Book, Journal, Ledger. Statements.

PENMANSHIP (2)—To form a plain legible business hand.

SPANISH (3)—Grammar.

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### SECOND YEAR.

#### FIRST TERM.

|           |     |                                                                                |
|-----------|-----|--------------------------------------------------------------------------------|
| ENGLISH.  | (4) | } See Course of Studies High<br>School Department, Second<br>Year, First Term. |
| HISTORY   | (5) |                                                                                |
| DRAWING.  | (1) |                                                                                |
| RELIGION. | (2) |                                                                                |

SPANISH (4)—Elementary Composition.

Alarcon, *El Capitan Veneno*; Goldos, *Doña Perfecta Marianela*; Valera, *El Pájaro Verde*; Cervantes, *Don Quijote*.

COMMERCIAL ARITHMETIC (5)—Mental exercises, use of labor-saving methods, adaptation of text-book problems to those of actual business.

STUDY OF COMMERCIAL PRODUCTS (2)—Raw materials of Commerce, manufactures, finished products, transportation, means of communication, means of trade, centers of production.

BOOK-KEEPING (5)—Wholesale, retail, jobbing, commission, manufacturing business. Drills in preceding work.

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## SECOND YEAR.

### SECOND TERM.

|           |     |                                                                           |
|-----------|-----|---------------------------------------------------------------------------|
| ENGLISH.  | (4) | } See Course of Studies High School Department, Second Year, Second Term. |
| HISTORY   | (5) |                                                                           |
| DRAWING.  | (1) |                                                                           |
| RELIGION. | (2) |                                                                           |

COMMERCIAL GEOGRAPHY (5)—The countries of the world; locations, boundries, climate, rivers, chief commercial cities, productions, markets, etc.

TYPEWRITING (5)

SPANISH (5) See First Term.

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## THIRD YEAR.

### FIRST TERM.

ENGLISH (5)—History of English Literature. Commercial correspondence.

HISTORY (5)—American. See High School Course, Fourth Year.

PHYSICS (4)—See High School Course, Third Year.

BOOK-KEEPING AND BUSINESS PRACTICE (5)

Joint Stock companies, partnerships and corporations; opening and closing such accounts. Drill on preceding work.

SPANISH (4)—Valdes, *José*; Calderon, *La Vida es Sueno*; Larra, *Partir á tiempo*.

Business forms and commercial correspondence.

PLANE GEOMETRY (3)—See High School Course, Third Year First Term.

RELIGION (2)—Dogma. See Courses of Study, No. 129, Christian Brothers, *Manual of Christian Doctrine*.

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### THIRD YEAR.

#### SECOND TERM.

PLANE GEOMETRY (5)—See High School Course, Second Year Second Term.

PHYSICS (4)—See High School Course, Second Year, Second Term.

COMMERCIAL LAW (4)—Contracts, bills and notes, agency, partnership, corporations, mortgages, common carrier, etc.

POLITICAL ECONOMY (2)—Principles of economics, production exchange, distribution. Topics of the day.

SPANISH (4)—See First Term.

SHORTHAND AND TYPEWRITING (5)

RELIGION (2)—See First Term.

## FOURTH YEAR.

### FIRST TERM.

ENGLISH (5)—Literature, themes, and parliamentary practice.

HISTORY (5)—Of Commerce.

SHORTHAND AND TYPEWRITING (5)—Advanced work.

CHEMISTRY (5)—See High School Course, Fourth Year.

BANKING AND FINANCE (5)

RELIGION (2)—Moral. See Course of Study No. 130.  
Christian Brothers, *Manual of Christian Doctrine*.

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## FOURTH YEAR.

### SECOND TERM.

ENGLISH (5)—Literature, themes and parliamentary practice.

CIVIL GOVERNMENT (5)—Local, state, and national governmental organization; Co-ordination with history already studied.

SHORTHAND AND TYPEWRITING (5)—Advanced work.

CHEMISTRY (5)—See High School Course, Fourth Year.

ACCOUNTING, ORGANIZATION, AND AUDITING (5)

or

ADVANCED COMMERCIAL ARITHMETIC (5)

RELIGION (2)—See First Term.

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| RYAN, CHARLES A.          | '04 | NEW YORK, N. Y.     |
| SAIZAN, JOSEPH P., M.D.   | '83 | OPELOUSAS, LA.      |
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| SCHALL, XAVIER            | '71 | PHILADELPHIA, PA.   |
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| SHEEHAN, EDWARD A.        | '87 | NEW HAVEN, CONN.    |
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| TRAINOR, PETER F.         | '02 | NEW YORK, N. Y.     |
| VANVALKENBURGH, GEORGE B. | '90 | LEXINGTON, KY.      |
| VINCENT, ARSENE P.        | '90 | VERSAILLES, FRANCE. |
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| WALSH, CHARLES H.         | '02 | NEW YORK, N. Y.     |
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| WALSH, MILTON C.          | '99 | NEW YORK, N. Y.     |
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| WESTON, JOHN J.           | '91 | NEW YORK, N. Y.     |
| WHITE, FRANCIS P.         | '77 | HAVANA, CUBA.       |
| WILLARD, WALTER J.        | '86 | WASHINGTON, D. C.   |
| WYNN, GEORGE H.           | '97 | NEW YORK, N. Y.     |
| YTURIE, EMANUEL           | '76 | NEW YORK, N. Y.     |



## COLLEGE SOCIETIES.

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### MANHATTAN COLLEGE ALUMNI SOCIETY.

The object of the Society is to keep alive among the Alumni the sentiment of affection for their Alma Mater, and to unite the graduates of successive years by a common tie of fellowship. Regular meetings are held on Commencement day, after the graduating exercises, and on or about the 22d of February. There are three reunions of the Society each year: at the alumni dinner, at the Memorial Mass on Decoration day, and at the reception of the newly graduated class on Commencement day.

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### MANHATTAN COMMERCIAL ALUMNI SOCIETY.

The Manhattan Commercial Alumni Association was organized September 5, 1901. Two meetings are held yearly.

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### DE LA SALLE LITERARY UNION.

This Society is confined to the students of the Senior year. The object proposed is the free discussion of questions pertaining to philosophy, which have been suggested, but not fully treated in the class room. The Professor of English Literature acts as moderator.

### NEWMAN LITERARY UNION.

The members of the Junior Class belong to this Society. The exercises, consisting of original essays and debates on literary other subjects, are held weekly. The Professor of English Literature acts as moderator of this Society.

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### HUGHES LITERARY UNION.

This Society is open to the students of the Sophomore year. Meetings are held at least twice a month, the principal exercises which are debates on historical and scientific subjects, and questions of the day, as well as essays on various topics. The senior Professor of the class acts as Honorary President, and the other officers are elected every two months.

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### MCCLOSKEY LITERARY UNION.

This Society, composed of the members of the Freshman Class, holds its regular meeting on Friday afternoon. The exercises consist principally of debates on various subjects, to train the students to fluency of speech and readiness in argument. The Moderator is appointed by the President of College, and the other officers are chosen bi-monthly.

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### CORRIGAN LITERARY UNION.

The students of the Fourth Year High School have formed themselves into a literary society, which they have named after the late Archbishop of New York. They hold regular monthly meetings, and sometimes class exercises, to which the College students are invited.

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### COMMERCIAL LITERARY SOCIETY.

The Commercial Department has a Literary Society of its own. The students hold weekly meetings and discuss subjects pertaining to their future career in life. The Principal of the Department acts as Honorary President.

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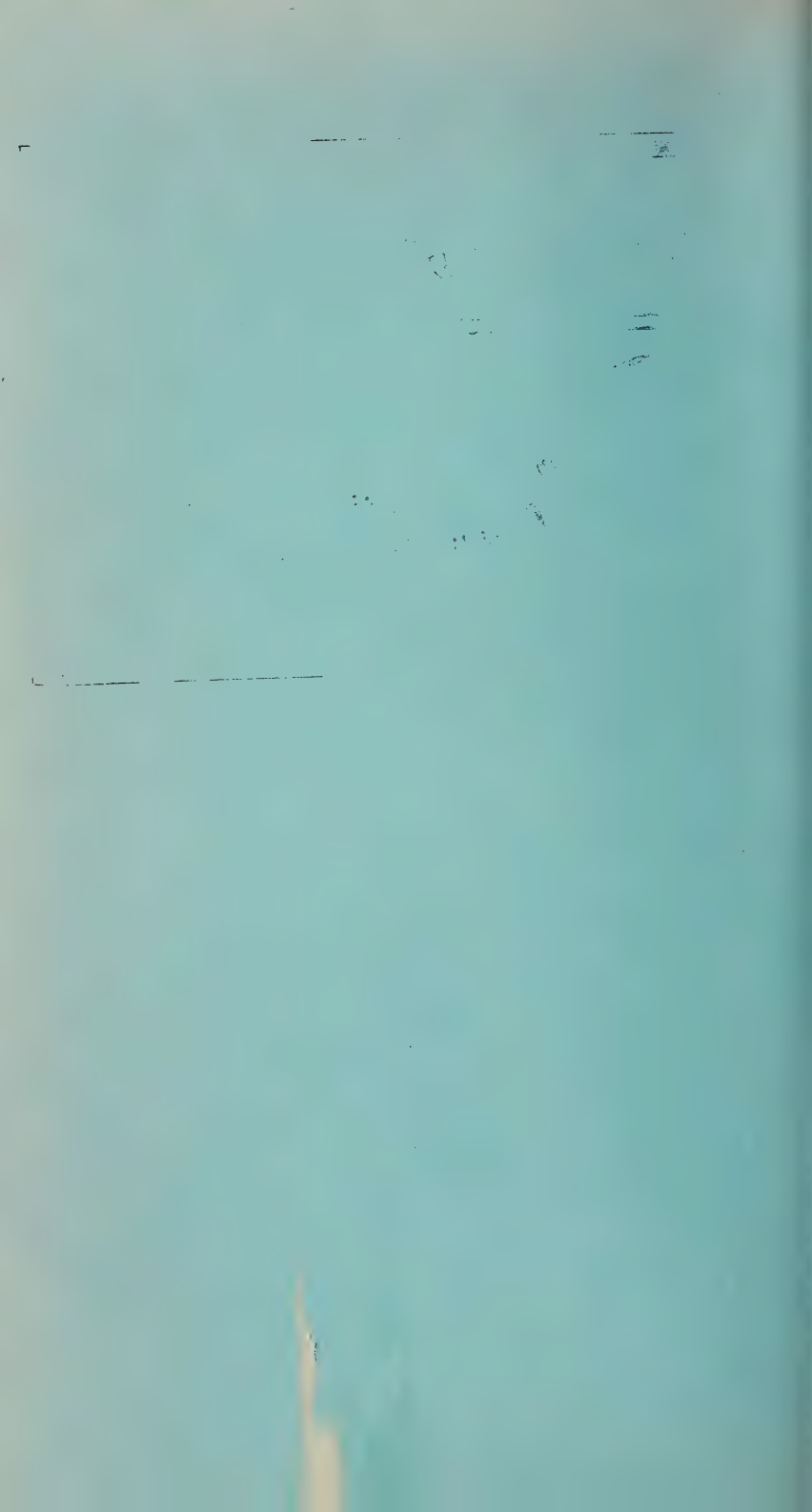
# Manhattan College



New York City

Catalogue  
1909    ::    1910

LIBRARY  
OF THE  
UNIVERSITY OF ILLINOIS.



UNIVERSITY OF THE STATE OF NEW YORK

LIBRARY  
OF THE  
UNIVERSITY OF ILLINOIS.

# Manhattan College

BROADWAY AND 131<sup>ST</sup> STREET  
NEW YORK

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CONDUCTED BY  
THE BROTHERS OF THE CHRISTIAN SCHOOLS

1909-'10

## OFFICERS OF THE COLLEGE.

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BROTHER E. VICTOR  
CHAIRMAN OF BOARD OF TRUSTEES

BROTHER JEROME  
PRESIDENT

BROTHER AUGUST  
REGISTRAR

BROTHER POTAMIAN  
SECRETARY

BROTHER ANGELUS  
TREASURER

## COLLEGE CALENDAR.

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1909

- September 13—Monday—Registration Day.  
14—Tuesday—Class Exercises begin.
- October 12—Tuesday—Columbus Day—Holiday.  
25—Monday—Annual Retreat.
- November 1—Monday—All Saints—Holiday.  
15—Monday—Quarterly Examinations.  
25—Thursday—Thanksgiving Day—Holiday.
- December 22—Wednesday—Senior Entertainment.  
23—Thursday—Christmas Recess begins.

1910

- January 3—Monday—Class Exercises resumed.  
31—Monday—Quarterly Examinations.
- February 12—Saturday—Lincoln Day—Holiday.  
18—Friday—High School Contest in Elocution.  
22—Tuesday—Washington's Day—Holiday.
- March 17—Thursday—St. Patrick's Day—Holiday.  
18—Friday—Contest for Grady Memorial Medal.  
26—Saturday—Easter Vacation begins.
- April 4—Monday—Class Exercises resumed.  
11—Monday—Quarterly Examinations.
- May 5—Thursday—Ascension Day—Holiday.  
13—Friday—School of Commerce Contest in Elocution.  
15—Sunday—Feast of St. John Baptist De La Salle.  
23—Monday—Senior Examinations begin.  
30—Monday—Memorial Services for Deceased Alumni.
- June 6—Monday—Undergraduate Examinations begin.  
10—Friday—Senior Class—Day.  
14—Tuesday—Commencement Exercises.





# Manhattan College



MANHATTAN COLLEGE was incorporated in 1863 by the Regents of the University of the State of New York. The College comprises two departments of study, each offering several courses leading to degrees.

The courses of the Arts Department lead to the degrees of Bachelor of Arts and Master of Arts. The requirements for admission and the courses of study will be found under their proper headings.

The courses of the Civil Engineering Department lead to the degrees of Bachelor of Science and Civil Engineer.

The importance of the natural and experimental sciences is emphasized in the courses given in physics, chemistry, geology, and physiology. These courses are of special benefit to those who intend to study medicine. Of no less advantage for the intending law student are the courses in logic, political economy, and social science. For students who intend to embrace the teaching profession, there are courses in pedagogy, psychology and the history of education. These courses are recognized by the Department of Public Instruction of the State of New York and by the Board of Education of New York City.

Besides the College proper, there is the High School, comprising a four years' course, which prepares for the Freshman class.

The studies of the School of Commerce include all subjects necessary for a thorough training in business methods.

The studies of the Grammar School cover the pre-academic work prescribed by the Board of Regents.

The Collegiate year begins on the second Tuesday in September and ends on the last Tuesday in June. It comprises two terms, the first beginning on the second Tuesday in September and the second on the first day of February.

The courses of study adopted by the institutions affiliated to the College agree with those pursued in the High School, and thus offer to students graduating from them the advantage of entering without further examination. Students from these institutions who desire advanced standing must satisfy the Board of Examiners that their previous studies qualify them for the class which they desire to enter.

## MANHATTAN COLLEGE COMPRISES

THE ARTS DEPARTMENT and

THE ENGINEERING DEPARTMENT

## PREPARATORY SCHOOLS

THE HIGH SCHOOL

THE SCHOOL OF COMMERCE

THE GRAMMAR SCHOOL

## AFFILIATED INSTITUTIONS

DE LA SALLE INSTITUTE, New York City

LA SALLE ACADEMY, New York City

CLASON POINT MILITARY ACADEMY, New York City

LA SALLE INSTITUTE, Troy, N. Y.

LA SALLE ACADEMY, Providence, R. I.

ST. JOSEPH'S COLLEGIATE INSTITUTE, Buffalo, N. Y.

ST. JAMES HIGH SCHOOL, Brooklyn, N. Y.

ST. JOSEPH'S HIGH SCHOOL, Manchester, N. H.

CHRISTIAN BROTHERS' ACADEMY, Albany, N. Y.

CHRISTIAN BROTHERS' ACADEMY, Syracuse, N. Y.

## PRIZES AND MEDALS.

1. A purse of \$50 is awarded by the Alumni Society to the best English essayist of the Graduating class. The prize contest consists of two essays, one prepared and the other extemporaneous. The subject of the first is announced at the beginning of the month of October, and the essay must be presented not later than the second Tuesday of April. The subject of the second is announced when the candidates are assembled in the examination hall.

2. THE MILMO-MCGOWAN MEDAL for religious instruction was founded by Mrs. B. McGowan, in memory of her son, Mr. Michael J. McGowan, '69. This medal is awarded on competitive examination on the subject matter of the four years' course in dogma and moral, and church history. The examination takes place at the end of May.

3. THE KELLY MEDAL for philosophy, offered to the students of the Senior Class, was founded by the late Mr. Eugene Kelly, of New York City. This medal is awarded for proficiency in logic, metaphysics, and psychology.

4. THE GRADY MEMORIAL MEDAL for oratory was founded by the Alumni Society in memory of Rev. John M. Grady, '69. The contest for this medal, open to all the College students, is held on March 18.

5. THE MEDAL for the philosophy of history, donated by the Rev. Matthew A. Taylor, is awarded to the student of the Senior Class who obtains the highest average in this subject.

6. THE LAVELLE MEDAL for pedagogy, offered by the Right Rev. Monsignor Lavelle, '73, Rector of St. Patrick's Cathedral, New York, is awarded to the student who obtains the highest percentage.
7. THE HOGUET MEDAL for civil engineering, the gift of Mr. Robert J. Hoguet, is awarded to the Senior science student who has the highest record for the year.
8. THE DEVELIN MEDAL for French, founded by Mr. Charles E. Miller, of New York City, in honor of his friend, Mr. John E. Develin, is awarded by competitive examination on the matter of the four years' College course.
9. THE RIDDER PURSE of fifty dollars for experimental physics is offered by Mr. Herman Ridder, to the student of the Junior Class who obtains the highest marks in this subject during the year.
10. THE DOELGER MEDAL for German, the gift of Mr. Peter Doelger, is awarded to the student of the Junior Class who has the highest record for the year.

## FEES.

|                                                                                  |          |
|----------------------------------------------------------------------------------|----------|
| Board, tuition, physician's fee, washing, per session of<br>ten months . . . . . | \$350 00 |
| Day Students; Collegiate and Commercial . . . . .                                | 100 00   |
| Day Students; High School . . . . .                                              | 75 00    |
| Dinner at College . . . . .                                                      | 60 00    |
| Use of laboratory and apparatus for any one course . . . . .                     | 10 00    |
| Use of typewriter . . . . .                                                      | 10 00    |
| Use of library . . . . .                                                         | 2 00     |
| Music: piano, \$80; mandolin, \$50; violin, \$50.                                |          |
| Graduation fee . . . . .                                                         | 10 00    |
| Certificate fee . . . . .                                                        | 5 00     |

For the support of athletics, the student body levies a tax of five dollars on every member of the respective classes.

Payment for the half session of five months is required in advance.

Remittances from outside New York City are to be made by draft or by post-office order, payable at Station J.



## ENTRANCE REQUIREMENTS.

These requirements conform to the standards prescribed by the Regents of the University of the State of New York.

1. ENGLISH.—Candidates for admission to the Freshman class must pass a written examination in English; and no candidate will be admitted whose spelling, diction, or paragraphing is notably defective.

READING.—A certain number of books is set for reading. The candidate will be required to give evidence of a general knowledge of the subject-matter, and to answer simple questions on the lives of the authors. The form of examination will usually be the writing of a paragraph or two on each of several topics, to be chosen by the candidate from a number set before him in the examination paper. These topics, which are assigned to test the candidate's power of clear and accurate expression, will call for only a general knowledge of the substance of the books. In place of a part or the whole of this test, the candidate may present an exercise book, properly certified by his instructor, containing compositions or other written work done in connection with the reading of the books. As a preparation for this part of the entrance requirements, it is important that the candidate be well versed in the fundamental principles of rhetoric.

The books selected for reading are:

1909-11: Shakespeare, *Henry V.* and *Julius Cæsar*; Franklin, *Autobiography*; Goldsmith, *The Deserted Village*; Hawthorne, *The House of the Seven Gables*; Dickens, *A Tale of Two Cities*; Irving, *Sketch Book*; De Quincey, *Joan of Arc* and *The English Mail Coach*; Poe, *Poems*; Macaulay, *Lays of Ancient Rome*; Longfellow, *The Courtship of Miles Standish*, or Browning, *The Pied Piper and other Poems*.

**STUDY AND PRACTICE.**—This part of the examination presupposes the thorough study of each of the works named below. The examination will be upon form, structure and subject matter. In addition, the candidate may be required to answer questions involving the essentials of English grammar, and on the leading facts in those periods of English literary history to which the prescribed books belong.

The books set for this part of the examination are:

1909-11: Shakespeare, *Macbeth*; Milton, *Lycidas*, *Comus*, *L'Allegro* and *Il Penseroso*; Burke, *Speech on Conciliation with America*, or *Washington's Farewell Address* and *Webster's First Bunker Hill Oration*; Macaulay, *Life of Johnson*, or Carlyle, *Essay on Burns*.

2. **HISTORY.**—History of the United States and Civil Government, and (a) History of England, or (b) History of France, or (c) History of Greece and Rome.

The following works will serve to show the knowledge expected in History: Montgomery's *History of the United States*; Anderson's *History of England*; Montgomery's *History of France*; Myer's *History of the Roman People*; Myer's *History of Greece*.

3. **ALGEBRA.**—Wentworth's *School Algebra*, or equivalent.

4. **GEOMETRY.**—Wentworth's *Plane and Solid Geometry*, or equivalent.

5. **PLANE TRIGONOMETRY.**—Wentworth's *Plane Trigonometry*, or equivalent.

6. **FRENCH.**—Grammar, sight translation. Composition based upon the following books:

De Maistre, *Voyage autour de ma Chambre*; Mairret, *La Tâche du petit Pierre*; Halévy, *L'Abbé Constantin*; Daudet, *Le Siège de Berlin*, and Mérimée, *Colomba*.

7. GERMAN.—Grammar, sight translation. Composition based upon the following books:

Hillern, *Höher als die Kirche*; Hauff, *Das Kalte Herz*; Freytag, *Die Journalisten*; Storm, *Immensee*.

8. CHEMISTRY.—A course of at least sixty experiments made by the candidate, with note-book certified by the teacher.

9. PHYSICS.—Knowledge of the general principles of Physics, and their applications. Each candidate must present a note-book containing a description of at least forty experiments which he has performed.

The following will be accepted in place of French and German:

LATIN.—Grammar, Allen & Greenough's or equivalent, including prosody. Cæsar, *Gallic War*, Books I-IV. Cicero, six orations. Reading at sight of a short passage of easy Latin prose. Vergil, *Æneid*, Books I-VI. Latin prose composition.

GREEK.—Grammar, Goodwin's or equivalent, including prosody. Xenophon, *Anabasis*, Books I-III. Homer, *Iliad*, Books I-III. Greek prose composition, Jones', twenty exercises or equivalent.

Students presenting Latin and Greek for admission will be required to take a special course in French and German during the Freshman year, and will thereafter follow the regular programme.

A certificate of the Regents of the University of the State of New York will be received in lieu of the entrance examination, provided it has been issued within the year, or that the candidate has a certificate of continued study since its date of issue. The candidate will, however, be examined on such branches as are not included in the Regents' certificate.



## GENERAL REGULATIONS.

Every candidate for admission must present a certificate of good character.

At the beginning of the first year, each student elects the course which he desires to follow; no student may afterward change his course without the permission of the Faculty.

Punctuality at all the exercises is required. Students absent from the opening of either the morning or the afternoon session, will not be admitted to class without a note from the Inspector. No student who has exceeded the limit of absences from recitation will be entitled to take the examination.

Examinations are held semi-annually, in January and June, in all the subjects studied during the intervening periods. Special examinations in any subject may be held at the option of the Professor. Drawing and laboratory work count for half a recitation each.

Absence from an examination, unless excused by the Faculty, will be considered a failure.

Should a student fail in any one of the regular examinations, he may be permitted to take another examination at the opening of the following term, or at such time as may be fixed by his Professor.

Seventy per cent. in each subject constitutes a pass in both departments of the College.

The final standing of each student is determined by his examination results together with the average of his year's class-marks in each subject.

Every candidate for a degree is required to present a written thesis on a subject connected with his course. The subject selected must be submitted for approval to the Professor of the department to which it belongs, on or before February 1. Such help and guidance may be offered the candidate as the Professor shall judge right, and the completed thesis shall be handed in for approval on or before May 30.



Theses shall contain not less than two thousand words, and must be typewritten on paper 13x8, with a margin of an inch and a half. Science theses must be accompanied by the necessary drawings and illustrations. All approved theses become the property of the College and are placed in charge of the librarian.

If a student fail to present his thesis, or if the thesis be rejected, he shall not be recommended for his degree.

No degree or other testimonial will be conferred on any student who has not satisfactorily completed the prescribed courses.

At the discretion of the Faculty, a certificate of proficiency may be given to a student who has followed, under the direction of the Faculty, a special course of one or more subjects, and who gives evidence of satisfactory proficiency.

N. B.—No course outlined in this catalogue will be given unless there is a sufficient number of applicants.



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ARTS DEPARTMENT

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## ARTS DEPARTMENT.

The studies of this department for the Freshman and Sophomore years are prescribed; but in the Junior and Senior years elective courses are open to the student. In the Junior year, aspirants to the teaching profession begin to specialize for their future work.

Studies in literature, political science, pedagogy, and philosophy are supplemented by the discussion of pertinent articles in the leading periodicals of America and Europe.

The entrance requirements will be found on page 11.

Students who successfully complete one of the prescribed courses of this department receive the degree of Bachelor of Arts.

For the degree of Master of Arts, see page 30.

## ARTS DEPARTMENT.

### FRESHMAN CLASS.\*

| FIRST TERM.             |     |        | SECOND TERM.            |     |        |
|-------------------------|-----|--------|-------------------------|-----|--------|
| FRENCH,                 | (4) | 63     | FRENCH,                 | (4) | 63     |
| GERMAN,                 | (4) | 69     | GERMAN,                 | (4) | 69     |
| ENGLISH,                | (4) | 53, 55 | ENGLISH,                | (6) | 53, 56 |
| HISTORY,                | (2) | 74     | HISTORY,                | (3) | 75     |
| MATHEMATICS,            | (3) | 89     | MATHEMATICS,            | (5) | 91, 92 |
| PHYSICS,                | (2) | 119    | PHYSICS,                | (2) | 119    |
| PHYSICAL<br>LABORATORY, | (2) |        | PHYSICAL<br>LABORATORY, | (2) |        |
| CHEMISTRY,              | (2) | 11     | CHEMISTRY,              | (2) | 13     |
| CHEMICAL<br>LABORATORY, | (3) | 12     | CHEMICAL<br>LABORATORY, | (3) | 14     |
| ELOCUTION,              | (1) | 98     | ELOCUTION,              | (1) | 98     |
| CHRISTIAN<br>DOCTRINE,  | (2) | 121    | CHRISTIAN<br>DOCTRINE,  | (2) | 121    |

### SOPHOMORE CLASS.

| FIRST TERM.            |     |        | SECOND TERM.           |     |        |
|------------------------|-----|--------|------------------------|-----|--------|
| FRENCH,                | (4) | 64     | FRENCH,                | (4) | 64     |
| GERMAN,                | (4) | 70     | GERMAN,                | (4) | 70     |
| ENGLISH,               | (6) | 58, 59 | ENGLISH,               | (6) | 57, 58 |
| HISTORY,               | (3) | 76     | HISTORY,               | (3) | 76     |
| MECHANICS,             | (3) | 94     | MECHANICS,             | (3) | 94     |
| GEOLOGY,               | (2) | 67     | GEOLOGY,               | (2) | 67     |
| ELOCUTION,             | (1) | 99     | ELOCUTION,             | (1) | 99     |
| CHRISTIAN<br>DOCTRINE, | (2) | 122    | CHRISTIAN<br>DOCTRINE, | (2) | 122    |

\* The figures in parentheses indicate the number of hours per week the others indicate the number of paragraphs in which the course is outlined.

## JUNIOR CLASS.

| FIRST TERM.             |     |          | SECOND TERM.            |     |          |
|-------------------------|-----|----------|-------------------------|-----|----------|
| FRENCH,                 | (4) | 65       | FRENCH,                 | (4) | 65       |
| GERMAN,                 | (4) | 71, 72   | GERMAN,                 | (4) | 71, 72   |
| ENGLISH,                | (5) | 54, 60   | ENGLISH,                | (5) | 60       |
| PHILOSOPHY,             | (4) | 107, 109 | PHILOSOPHY,             | (4) | 108      |
| PHYSICS,                | (3) | 120      | PHYSICS,                | (3) | 120      |
| PHYSICAL<br>LABORATORY, | (3) |          | PHYSICAL<br>LABORATORY, | (3) |          |
| ORATORY,                | (1) | 99       | ORATORY,                | (1) | 100      |
| CHRISTIAN<br>DOCTRINE,  | (2) | 123      | CHRISTIAN<br>DOCTRINE,  | (2) | 123      |
| ASTRONOMY,              | (2) | 1        | ASTRONOMY,              | (2) | 1        |
| PEDAGOGY,               | (3) | 102, 104 | PEDAGOGY,               | (3) | 102, 104 |

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## ELECTIVES.

| FIRST TERM.                         |     |     | SECOND TERM.               |     |      |
|-------------------------------------|-----|-----|----------------------------|-----|------|
| BIOLOGY,                            | (4) | 4   | BIOLOGY,                   | (4) | 4, 5 |
| SPANISH,                            | (2) | 125 | SPANISH,                   | (2) | 125  |
| AMERICAN POLITICAL<br>INSTITUTIONS, | (1) | 81  | EUROPEAN<br>CONSTITUTIONS, | (1) | 82   |
| CHURCH HISTORY,                     | (1) | 86  | CHURCH HISTORY,            | (1) | 86   |

# SENIOR CLASS.

|                                      |     |          |                                  |       |                   |
|--------------------------------------|-----|----------|----------------------------------|-------|-------------------|
| ENGLISH,                             | (4) | 61       | ENGLISH,                         | (4)   | 62                |
| PHILOSOPHY OF<br>HISTORY,            | (2) | 85       | PHILOSOPHY OF<br>HISTORY,        | (2)   | 85                |
| ONTOLOGY AND COS-<br>MIC PHILOSOPHY, | (4) | 110, 111 | EPISTEMOLOGY, }<br>PSYCHOLOGY, } | (4) { | 112<br>113<br>117 |
| HISTORY OF<br>PHILOSOPHY,            | (2) | 118      | HISTORY OF<br>PHILOSOPHY,        | (2)   | 118               |
| ECONOMICS,                           | (2) | 47       | ECONOMICS,                       | (2)   | 48                |
| ORATORY                              | (1) | 101      | ORATORY,                         | (1)   | 101               |
| NATURAL<br>THEOLOGY,                 | (2) | 114      | ETHICS,                          | (2)   | 115, 116          |
| FRENCH,                              | (4) | 66       | FRENCH,                          | (4)   | 66                |
| GERMAN,                              | (4) | 73       | GERMAN,                          | (3)   | 73                |

# ELECTIVES.

|                                |     |          |                               |     |          |
|--------------------------------|-----|----------|-------------------------------|-----|----------|
| BIOLOGY,                       | (2) | 6, 7     | BIOLOGY,                      | (2) | 6, 7     |
| { PRINCIPLES OF<br>GOVERNMENT, | (3) | 49       | { SOCIOLOGY,                  | (3) | 52       |
| PUBLIC FINANCE                 | (2) | 50       | REPRESENTATIVE<br>GOVERNMENT, | (2) | 51       |
| { AMERICAN<br>HISTORY,         | (2) | 83       | { AMERICAN<br>HISTORY,        | (2) | 83       |
| HISTORY OF OUR<br>TIMES,       | (1) | 80       | HISTORY OF OUR<br>TIMES,      | (1) | 80       |
| SPANISH,                       | (3) | 125      | SPANISH,                      | (3) | 126, 127 |
| PEDAGOGY,                      | (3) | 103, 105 | PEDAGOGY,                     | (3) | 103, 105 |



## PEDAGOGY.

The regular College work in logic and psychology satisfies the requirements of both State and City Superintendents of Public Instruction, under whose immediate direction examinations in the history of education and in method are held. Upon completing a satisfactory examination in these subjects, the candidate receives a license to teach for three years, after which period, if successful experience can be demonstrated, the provisional license may be exchanged for a life certificate.

The main requisite is that the candidate be a graduate from a college or university recognized by the Regents of the University of the State of New York, wherein at least one year was spent in pedagogical study amounting to not less than 210 hours, with attendance upon lectures or recitations, as follows: logic or psychology, at least 90 hours; history and principles of education and methods of teaching, at least 120 hours.

The courses offered to the students in Pedagogy are:

JUNIOR YEAR.—Logic, 60 hours.

History of education and

Principles of education, 90 hours.

SENIOR YEAR.—Psychology, 90 hours.

Method in teaching, 60 hours.

Observation, 20 hours.

## STATE REQUIREMENTS FOR THE STUDY OF LAW AND MEDICINE.

In the interest of students who intend, after graduation, to take up the study of law or medicine, the following notes are added:

An office clerkship is no longer required of young men applying for admission to the New York bar. Applicants must be at least eighteen years of age, in order to have their time of study counted toward the required period. If they are not graduates of a university or college in good standing, they must file with the clerk of the court of appeals a Regents' law-student certificate.

College graduates may complete the prescribed law course in two years.

The period of eighteen months of office clerkship required for admission is satisfied by an equal time spent in a New York law school.

Candidates for admission to a medical college must be at least eighteen years of age and present satisfactory evidence of moral character. If not graduates of a university or college in good standing, they must present a Regents' academic diploma or its equivalent.

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ENGINEERING DEPARTMENT

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## COURSE IN CIVIL ENGINEERING.

The work of this department is planned to give the student a liberal education, and to enable him, after graduating, to derive immediate profit from his professional career.

The course in Civil Engineering comprises surveying, road and railroad engineering, bridge engineering, hydraulics and water-works, and reinforced concrete construction.

The work is both theoretical and practical. The lectures of the class-room are supplemented by field-work and visits to places of engineering interest.

The Summer Course in topographical surveying begins in the middle of June and extends over a period of four weeks.

The reading and discussion of the principal scientific and technical periodicals form an essential feature of this department.

Students who successfully complete this course receive the degree of Bachelor of Science in Civil Engineering. For the degree of Civil Engineer, see page 30.

The entrance requirements are the same as for the Arts Department, page 11.

# THE COURSE IN CIVIL ENGINEERING.

## FRESHMAN CLASS.\*

| FIRST TERM.      |     |        | SECOND TERM.     |     |        |
|------------------|-----|--------|------------------|-----|--------|
| MATHEMATICS      | (3) | 89     | ANALYTICAL       |     |        |
| PHYSICS,         | (2) | 119    | GEOMETRY,        | (5) | 91, 92 |
| PHYSICAL         |     |        | PHYSICS,         | (2) | 119    |
| LABORATORY,      | (2) |        | PHYSICAL         |     |        |
| SURVEYING,       | (3) | 16     | LABORATORY,      | (2) |        |
| CHEMISTRY,       | (2) | 11     | SURVEYING,       | (3) | 16     |
| CHEMISTRY, LABO- |     |        | CHEMISTRY,       | (2) | 13     |
| RATORY WORK,     | (2) | 12     | CHEMISTRY, LABO- |     |        |
| ENGLISH,         | (4) | 53, 55 | RATORY WORK,     | (2) | 14     |
| GERMAN,          | (4) | 69     | ENGLISH,         | (6) | , 56   |
| DESCRIPTIVE      |     |        | GERMAN,          | (4) | 69     |
| GEOMETRY,        | (2) | 42     | DESCRIPTIVE      |     |        |
| DRAFTING,        | (4) | 39     | GEOMETRY,        | (2) | 42     |
| ELOCUTION,       | (1) | 98     | DRAFTING,        | (4) | 39     |
| CHRISTIAN        |     |        | ELOCUTION,       | (1) | 98     |
| DOCTRINE,        | (2) | 121    | CHRISTIAN        |     |        |
|                  |     |        | DOCTRINE,        | (2) | 121    |

## SOPHMORE CLASS.

| FIRST TERM. |     |        | SECOND TERM.       |     |        |
|-------------|-----|--------|--------------------|-----|--------|
| MECHANICS,  | (3) | 94     | MECHANICS,         | (3) | 94     |
| CALCULUS,   | (3) | 93     | CALCULUS,          | (3) | 93     |
| SURVEYING,  | (3) | 17     | SURVEYING,         | (2) | 17     |
| DRAFTING,   | (6) | 39     | GRAPHIC STATICS,   | (2) | 44     |
| GEOLOGY,    | (2) | 67     | DESIGN PROBLEMS,   | (6) | 45     |
| ENGLISH,    | (4) | 58, 59 | GEOLOGY,           | (2) | 68     |
| GERMAN,     | (4) | 70     | BUILDING MATERIALS |     |        |
| ELOCUTION,  | (1) | 99     | AND APPLICATION    | (2) | 38     |
| CHRISTIAN   |     |        | ENGLISH,           | (4) | 57, 59 |
| DOCTRINE,   | (2) | 122    | GERMAN,            | (4) | 70     |
|             |     |        | ELOCUTION          | (1) | 99     |
|             |     |        | CHRISTIAN          |     |        |
|             |     |        | DOCTRINE,          | (2) | 122    |

\* The figures in parentheses indicate the number of hours; the others indicate the paragraphs in which the course is outlined.



# JUNIOR CLASS.

## FIRST TERM.

|                                               |     |          |
|-----------------------------------------------|-----|----------|
| MECHANICS AND<br>STRENGTH OF<br>MATERIALS,    | (2) | 95       |
| MASONRY STRUC-<br>TURES AND FOUN-<br>DATIONS, | (3) | 20, 23   |
| METALLURGY,                                   | (2) | 15       |
| PHYSICS,                                      | (3) | 120      |
| PHYSICAL<br>LABORATORY,                       | (3) |          |
| ROAD AND RAILROAD<br>ENGINEERING,             | (2) | 18, 22   |
| DESIGN PROBLEMS,                              | (2) | 45       |
| ANALYTICAL<br>MECHANICS,                      | (2) | 96       |
| SURVEYING,                                    | (2) | 19       |
| ASTRONOMY,                                    | (2) | 1        |
| ORATORY,                                      | (1) | 99       |
| PHILOSOPHY,                                   | (3) | 107, 109 |
| CHRISTIAN<br>DOCTRINE,                        | (2) | 123      |

## SECOND TERM.

|                                   |     |         |
|-----------------------------------|-----|---------|
| ASTRONOMY,                        | (2) | 1       |
| PHYSICS,                          | (3) | 120     |
| PHYSICAL<br>LABORATORY,           | (3) | 120 (a) |
| MASONRY<br>STRUCTURES,            | (3) | 23      |
| TRUSSES,                          | (4) | 28      |
| ROAD AND RAILROAD<br>ENGINEERING, | (3) | 18, 30  |
| TUNNELING,                        | (2) | 25      |
| EXCAVATIONS,                      | (2) | 26      |
| DESIGN PROBLEMS,                  | (4) |         |
| ORATORY,                          | (1) | 100     |
| PHILOSOPHY,                       | (2) | 108     |
| CHRISTIAN<br>DOCTRINE,            | (2) | 123     |

# SENIOR CLASS.

## FIRST TERM.

|                          |     |          |
|--------------------------|-----|----------|
| BRIDGES AND<br>BUILDING, | (6) | 29       |
| HYDRAULICS,              | (3) | 23       |
| WATER SUPPLY,            | (3) | 31       |
| SEWERS,                  | (2) | 27       |
| CEMENT<br>LABORATORY,    | (4) | 24       |
| DESIGN PROBLEMS,         | (8) | 46       |
| ENGLISH,                 | (1) | 54       |
| ORATORY,                 | (1) | 100, 101 |
| NATURAL<br>THEOLOGY,     | (2) | 114, 115 |

## SECOND TERM.

|                                  |     |          |
|----------------------------------|-----|----------|
| BRIDGES,                         | (6) | 29       |
| CONTRACTS AND<br>SPECIFICATIONS, | (2) | 32       |
| RAILROAD<br>ENGINEERING,         | (3) | 30       |
| DESIGN PROBLEMS,                 | (8) | 46       |
| ENGLISH,                         | (1) | 54       |
| ORATORY,                         | (1) | 100, 101 |
| THESIS,                          | (2) |          |
| ETHICS,                          | (2) | 116      |

## HIGHER DEGREES.

Bachelors of Arts may obtain the Master's degree by pursuing an approved course of study and giving satisfactory evidence of scholarship. If such post-graduate study is not pursued in the College, the degree will not be conferred until two years after graduation.

Professional study, as such, does not entitle one to the Master's degree; but original research or special and scholarly study connected with a profession may, at the discretion of the Faculty, be accepted.

Essays, theses, and dissertations intended for the Master's degree must be presented at least one month before the end of the academic year and must contain, at least, 3,000 words. The bibliography or list of works consulted must, in each case, be appended to the thesis.

If a candidate's thesis is approved, he will be informed as to the time when he will be required to meet the Board of Examiners for any further test of his qualifications which may be deemed necessary.

Bachelors of Science in Engineering may obtain the degree of Civil Engineer one year after graduation on the presentation of an approved thesis.

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# COURSES OF STUDY

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## COURSES OF STUDY.

FOR THE MASTER'S DEGREE.

*For Master of Arts.*

Any one of the following courses :

- I. Moral Philosophy, with written thesis, making special application of its principles to mooted questions of the day.
- II. Plato or Aristotle, with the history of his influence on modern thought.
- III. A comparative study of the psychology of St. Thomas Aquinas and modern psychology.
- IV. A comparative study of Thomistic ethical principles and current theories.
- V. A critical study of Locke's influence on modern philosophy.
- VI. A critical study of Kantianism.
- VII. A critical study, with practical applications, of any *one* of the following psychologic principles as applied in teaching:  

(a) Interest ; (b) Apperception ; (c) Attention ;  
(d) Personal Equation ; (e) Imitation ; (f) Free Will ;  
(g) Character ; (h) Humor ; (i) Imagination.
- VIII. A critical examination of current errors in logic, psychology, or ethics.
- X. A thorough criticism of any one of the accepted texts in logic, psychology, or ethics.

- XI. A critical examination of any one of the accepted texts in the history of education.
- XII. A critical study of the growth of the novel.
- XIII. English literature. Critical analysis of any classic author from the Catholic standpoint.
- XIV. French literature, with translations at sight from any classic author, and a critical French essay on his work or his age.
- XV. German literature, with translation at sight from any classic author, and a critical German essay on his work or his age.
- XVI. Church History. Selections of important periods for research, with essays embodying results of investigation.
- XVII. A discussion of current theories in political economy.
- XVIII. A critical examination of any one of the texts commonly accepted as standard in political economy.
- XIX. A detailed examination with applications of the relations of political economy to ethics.
- XX. A critical study of Leo XIII.'s encyclicals on political questions.
- XXI. Discussion of prevalent sociological theories.
- XXII. Amplification of topics discussed by the Catholic Truth Society.

*For Master of Science.*

Any one of the following courses:

- I. Higher coördinate geometry of two dimensions; coördinate geometry of three dimensions.
- II. General theory of equations.



- III. Higher parts of the integral calculus; differential equations; calculus of variations.
- IV. Rigid dynamics.
- V. Fourier's theorem and its applications.
- VI. The wave theory treated mathematically or experimentally, or both.
- VII. The electromagnetic theory of light.
- VIII. Phenomena of Interference, diffraction and polarization.
- IX. Spectrum analysis.
- X. The kinetic theory of gases.
- XI. Conservation and dissipation of energy.
- XII. Application of the doctrine of energy to the phenomena of chemical combination.
- XIII. Thermal measurement of energy.
- XIV. Properties and phenomena of the ether.
- XV. Discharge of electricity through gases.
- XVI. Recent views of electricity.
- XVII. Higher parts of static and dynamic electricity.
- XVIII. Phenomena of alternating currents.
- XIX. Astrophysics.
- XX. Special studies in civil engineering.
- XXI. Special studies in electrical engineering.

These subjects are merely suggestive, and are intended to assist the candidate in the choice of a subject for his thesis. The treatment of the subject should be thorough and comprehensive, and should embody the result of original thought or of experimental investigation, as the case may require.

Published works of the candidate on the subject selected, articles in reviews or scientific periodicals, or contributions to the transactions of learned societies will receive due consideration from the Board of Examiners.

## COURSES OF STUDY.

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### ASTRONOMY.

1. **DESCRIPTIVE ASTRONOMY.**—The dimensions of the earth, its mass and motions. Phenomena depending on the axial and the orbital motion of the earth. Determination of the figure and magnitude of the earth. Kepler's laws and applications. Phenomena depending on change of place. Fundamental principles of celestial mechanics. Dimensions and configuration of the solar system. The sun and planets. Tides, eclipses, transits.

Young, *Manual of Astronomy*.

Reference: Lodge, *The Pioneers of Science*.

**PRACTICAL ASTRONOMY.**—Construction, adjustment, and use of the sextant, transit, and equatorial telescope. Determination of the meridian, latitude, and local time.

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### BIOLOGY.

2. **GENERAL PRINCIPLES OF BIOLOGY.**—Study of typical forms illustrating structure and function. Lectures and laboratory work.

3. **GENERAL ZOÖLOGY.**—(a) Zoölogy of invertebrates: lectures, recitations, and laboratory practice.

(b) Zoölogy of vertebrates: lectures, recitations, and laboratory practice.

4. **STRUCTURAL BOTANY.**—The principal features of plant structure and classification. Lectures on organization of higher plants, illustrated by specimens, and followed by laboratory work.

5. STUDY OF PHENOGAMS.—The characters of the natural orders. Lectures and laboratory work.
6. PLANT HISTOLOGY AND PHYSIOLOGY.—The vegetable cell, its structure, composition, modification; structure and development of flower, fruit, seed; protoplasm, vegetable growth, movements, reproduction.
7. STUDY OF CRYPTOGRAMS.—Study of the structure and development of algæ, fungi, lichens, mosses, ferns, and pteridophytes. Relationship of cryptogams and phenogams.
9. HUMAN ANATOMY AND PHYSIOLOGY.—Lectures, illustrated with charts, models and lantern slides.
10. THE NERVOUS SYSTEM AND ITS TERMINAL ORGANS.—Lectures and illustrations, with charts, models and lantern slides.

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## CHEMISTRY.

11. GENERAL INORGANIC CHEMISTRY.—Preparation, properties and uses of the more important elements and inorganic compounds.  
Newell, *Descriptive Chemistry*.
12. CHEMICAL LABORATORY.—Practice in the methods of preparing and testing the common elements and their important compounds.
13. QUALITATIVE ANALYSIS.—Description of a method of separation which experience has proved to be sufficiently simple and accurate.
14. LABORATORY WORK.—Separation of the ordinary bases and acids; Garvin, *Special tests*.
15. METALLURGY OF IRON AND STEEL.—Study of the physical and chemical properties as well as the constitution and manufacture of cast iron, wrought iron, and steel.

## CIVIL ENGINEERING.

16. LAND SURVEYING.—Theory and general principles. Adjustment and use of chain, tape, rod, vernier, level, transit and compass. Simple leveling with ordinary level, hand-level, and barometer. Making of profile. Pacing, chain and compass surveying. Balancing, plotting, supplying omissions, and computing areas.

17. LAND SURVEYING.—Theory, adjustment and use of transit. Transit, stadia, and topographical surveying. Leveling, contour lines, plotting, computing areas, use of plane table.

Raymond, *Plane Surveying*.

18. ROAD ENGINEERING.—Location and grading of country roads. Staking out of work. Draining and protection works. Maintenance. Foundations. City streets. Pavements: stone, wood, asphalt, brick. Tools and machinery employed in road construction. Specifications and contracts regarding roads.

Byrne, *Highway Construction*.

19. LAND SURVEYING.—City surveying, triangulation, hydrographic and mining surveying.

20. FOUNDATIONS.—Construction of timber foundation. Cofferdams of timber. Open and pneumatic caissons. Trestle foundations. Piles in foundations. Economical considerations in foundations. Estimates of cost. Methods for deep foundations.

Patton, *Foundations*.

21. TIMBER STRUCTURES.—Culverts. Pile bents. Frame bents. Bracing compound timber structures. Trestles on curves. Floor details. Connection with embankment, derailing devices, field engineering, and erection of trestle, design and estimates for a completed trestle.

Foster, *Treatise on Modern Trestle Bridges*.

22. RAILROAD SURVEYING.—Reconnaissance and preliminary surveys. Organization of work. Simple, compound, and transition curves. Turnouts. Cross-section work. Computation of earthwork.

Searle, *Field Engineering*.

23. MASONRY STRUCTURES.—Theory of the slope of earth embankments; graphical and analytical methods for determining earth-pressure as well as the thickness of retaining-walls and dams. Arches. Masonry culverts and bridges.

Baker, *Masonry Construction*.

24. CEMENT AND MORTAR.—Lectures and laboratory.

25. TUNNELING.—Timbering and lining of tunnels. Excavation of tunnels through rock, and through loose and treacherous soils. Subaqueous tunnels. Open cut. Subways. Ventilation of tunnels.

Prelini, *Tunneling*.

26. EXCAVATIONS.—Earthwork, excavations by hand and machine, rock excavation, hauling on horizontal and inclined roads, hoisting cableways, trench cutting, embankment constructions, dredging and dredged materials.

Prelini, *Earth and Rock Excavation*.

27. SEWERS AND SEWAGE DISPOSAL.—Dimensions and materials used, location, precautions in construction, study of examples, estimate of cost, surface drainage in towns and cities, separate and combined systems, capacities of main and branches, grade, flow, and discharge of sewers. Methods of sewage disposal, discharge into streams, gravity and chemical precipitation. Filtration.

28. THEORY OF TRUSSES.—Truss elements, loads and reactions for trusses of various designs, influence lines, and position of loads for maximum bending moment. Wheel-loads and conventional systems of analysis, stress-strain diagrams, secondary stresses in trusses, applications to highway and railroad bridges.

Merriman and Jacoby, *Roofs and Bridges*.



29. ROOFS, BRIDGES, AND BUILDINGS.—Different classes of bridges, riveted truss or lattice bridges, pin-connected bridge, design of details for roofs and bridges, floor systems, lateral and transverse bracing. The plate girder in detail, swing bridge (different kinds), end-lifting apparatus, machinery for operating cantilever structures, single and double track trestles or viaducts in steel or timber, elevated railroads, stand-pipes. Complete designs, with estimate of cost for structure and erection.

Merriman and Jacoby, *Roofs and Bridges*.

30. RAILROAD ECONOMICS.—General theory of railroad projects. Probable volume of traffic and its probable growth. Effect of alignment on resources and operating expenses. Methods of railroad management. Construction of railroads; track laying and maintenance, frogs and switches, track accessories, records and reports.

Wellington, Tratman, *Track and Track Work*.

31. IRRIGATION AND WATER SUPPLY.—Drainage areas, rainfall, evaporation. Reservoir construction. Dams for storage. Regulators. Distributing reservoirs and purification of water. Velocity of flow and dimensions of canals. Distributing and lateral canals.

32. CONTRACTS AND SPECIFICATIONS.—Johnson.

33. HYDRAULICS.—Flow of water through orifices and over weirs, gauging of weirs. Flow of water in canals. Formulæ for discharge of water from locks. Motion of water in pipes. System of pipes. Gauging water in rivers. Backflow. Resistance of water in a river, in a canal. Hydraulic motors. Ship railways. Laboratory work.

Merriman, *Hydraulics*.

34. INSPECTION VISITS.—Visits to engineering works and manufacturing establishments.

35. FIELD WORK.—Surveying. Compass and transit surveys. Adjustment of instruments. Farm survey. Angle reading, repetition. Azimuth traverse.



36. FIELD WORK.—Leveling. Contour sketching. Topographical surveying.

37. RAILROAD SURVEY.—Reconnaissance and preliminary survey. Location of line. Profile and cross-section. Computation of earth work. About two miles of road are run, and the students make all calculations required in the regular routine of office work.

38. BUILDING MATERIALS.—Stones: quarrying, working, employment. Bricks, manufacture and employment. Production and testing of lime, hydraulic lime, and cement; mortar; concrete; timber; metals; miscellaneous materials.

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## DRAWING.

39. MECHANICAL DRAWING.—Use of instruments, geometrical problems, lettering, plans, elevations.

40. MECHANICAL DRAWING.—Elementary projections, intersections, shades and shadows. Tinting drawings, pen-and-ink sketching.

41. MECHANICAL DRAWING.—Stone-cutting and its applications to culverts, sewers, etc. Tracing and blue-prints.

42. DESCRIPTIVE GEOMETRY.—Demonstrations and execution of eight plates.

Faunce, *Descriptive Geometry*.

43. DRAWING.—Plots of survey, topographical maps, contour maps, profiles.

44. GRAPHIC STATICS.—Resolution of concurrent and non-concurrent forces; determination of moments, of internal stresses, of centroids and moments of inertia. Application to roofs and trusses.

Sondericker, *Graphic Statics*.

45. DESIGN PROBLEMS.—Graphic solution of problems concerning the slope of embankments, earth-pressure against retaining-walls and dams ; stability of retaining-walls, dams, and arches. Design of a masonry bridge with plan, elevation, longitudinal and cross-sections.

46. BRIDGE DESIGN.—Design of roof trusses and fixed steel bridges. Drawbridges. Elevated steel structures. Skeleton of a steel building. Computations and working drawings are made from specifications for a railroad bridge of short span, and estimates of its weight are prepared.

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## ECONOMICS, SOCIAL AND POLITICAL SCIENCE.

47. ECONOMICS.—Principles of production, distribution, exchange, money, banking, international trade-relation of labor and capital, present organization of industry, currency legislation of the United States.

48. Economic history of England and America.

49. Principles of government, legislation, the judiciary, the executive, suffrage, and finance.

Fiske, *Civil Government*.

50. Public expenditure. Sources of state income. Development, classification, incidents and effects of principal taxes.

Reference: Adam's *Science of Finance*.

51. Political representation in Colonial period as compared with representation at present.

52. PRINCIPLES OF SOCIOLOGY.—Psychology of social types. Historical aspects of social organization, both ancient and modern. Study of modern social problems.

## ENGLISH.

53. ENGLISH COMPOSITION.—The theory of composition with special reference to the qualities of diction and to the structure of the sentence and the paragraph. The study of exposition, narration and description. Three short themes weekly. Longer themes at regular intervals. Comments and criticisms.

54. ARGUMENTATION AND DEBATE.—Study of the nature of argumentation. Exercises in analysis of classic argumentative speeches. Study of the rules and tests of evidence. Theory and practice of brief-drawing. Original forensics and argumentative essays.

Baker and Huntington, *Principles of Argumentation*.

55. HISTORY OF ENGLISH LITERATURE.—Rapid survey of the growth and development of English literature preparatory to an intensive study of special periods. Reading of representative masterpieces.

Brother Noah, *Manual of English Literature*.

56. HISTORY OF AMERICAN LITERATURE.—Study of the growth and special characteristics of American literature as an introduction to a more intensive consideration of special periods.

57. LITERATURE OF THE DRAMA.—Study of the origin and development of the English drama. Critical reading of Shakespeare's *Hamlet* or *King Lear*.

Woodbridge, *The Drama: Its Laws and Its Technique*; Brandes, *William Shakespeare*.

58. ENGLISH LITERATURE OF THE NINETEENTH CENTURY.—Study of the leading English authors of this period, and a critical reading of selected classics indicated in Brother Azarias's *Books and Reading*.

59. PRINCIPLES OF VERSIFICATION.—Study of English verse-structure. Exercises in scansion and verse-making. Original poems.

Gummere, *Handbook of Poetics*.

60. ANGLO-SAXON LITERATURE.—Study of the various influencing agencies in Old English literature, and the growth and development of Old English thought from the dawn of English history down to the Norman Conquest. Critical reading of *Beowulf*.

Brother Azarias, *Development of Old English Thought*.

61. PHILOSOPHY OF LITERATURE AND OF STYLE.—An examination into the fundamental principles of literature and style.

Brother Azarias, *Philosophy of Literature*; Spencer, *Philosophy of Style*.

62. PRINCIPLES OF LITERARY CRITICISM.—Examination into the Spiritual in Literature.

Brother Azarias, *Phases of Thought and Criticism*; Gardiner, *The Bible in Literature*; Thomas à Kempis, *The Imitation*; Chateaubriand, *The Genius of Christianity*; Newman, *Essay on the Development of Christian Doctrine*; Gigot, *Introduction to Sacred Scriptures*.

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## FRENCH.

63. François, *Advanced French Prose Composition*.

Molière, *Le Misanthrope*.

Bowen, *French Lyrics*.

Hugo, *Hernani*.

Michelet, *Extraits de l'histoire de France*.

Corneille, *Polyeucte*.

64. HISTORY OF FRENCH LITERATURE IN THE SEVENTEENTH CENTURY.—A study of the political, social, and literary development of France during the Seventeenth Century.

Fortier, *Histoire de la Littérature Française*.

Warren, *French Prose of the Seventeenth Century*.

Selected plays of Corneille, Racine, and Molière.

Boileau, *L'Art Poétique*.

65. HISTORY OF FRENCH LITERATURE IN THE EIGHTEENTH CENTURY.—Life and times of Voltaire.

Fortier, *Histoire de la Littérature Française*.

Selections from authors studied.

International correspondence.

66. HISTORY OF FRENCH LITERATURE IN THE NINETEENTH CENTURY.—Special attention to the works of Hugo, de Lamartine, and Chateaubriand. Selections from de Musset, Dumas, Balzac, and de Maupassant.

Fortier, *Sept Grands Auteurs du Dix Neuvième Siècle*. International correspondence.

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## GEOLOGY.

67. Descriptive and Determinative Mineralogy ; Physical, Historical and Stratigraphical Geology.

Lectures and laboratory work.

68. GEOLOGY.—Lectures and laboratory work. A more advanced discussion of the subjects treated above.

Dana, *Text-book of Geology*.



## GERMAN.

69. Freytag, *Soll und Haben*; Schiller, *Maria Stuart*; Lessing, *Minna von Barnhelm*; Goethe, *Egmont* or *Iphigenie auf Tauris*.  
Prose Composition, Wesselhoeft.

70. Freytag, *Bilder aus der deutschen Vergangenheit*; Sybel, *Die Erhebung Europas*; Dippold, *Scientific German Reader*; Prehn, *Journalistic German*.  
Prose Composition, Harris.

71. Schiller, *Wallenstein*; Lessing, *Nathan der Weise*; international correspondence.

72. HISTORY OF GERMAN LITERATURE.—Lectures, themes, readings.

International correspondence.

73. Goethe, life and works : *Faust*, *Hermann und Dorothea*, *Tasso*.

Selections from *Dichtung und Wahrheit*. International correspondence.

Advanced Prose Composition.

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## HISTORY.

74. ANCIENT HISTORY.—History of Greece, with special reference to its literature, politics, and commerce.

75. ANCIENT HISTORY.—Rome, from the Founding of the City to the Fall of the Western Roman Empire, with special reference to literature, politics, and commerce.

76. MEDIEVAL HISTORY.—From the Fall of the Western to the Fall of the Eastern Roman Empire. The Holy Roman Empire and the Papacy receive special attention.



77. **THE RENAISSANCE AND THE REFORMATION.**—The principal subjects studied are the revival of learning, the age of discovery, the Reformation in England, France and Germany ; the 'Thirty Years' War, and the Peace of Westphalia.

78. **ENGLISH HISTORY.**—In this course special attention is given to the constitutional and social history of England.

79. **FRENCH HISTORY.**—From the establishment of the French monarchy to the French Revolution.

80. **THE HISTORY OF THE NINETEENTH CENTURY, BEGINNING WITH THE YEAR 1815.**—This course treats principally of the restoration of the Bourbons, the Revolutions of 1830 and 1848, the Austro-Prussian war, the Franco-Prussian war, the Unification of Germany and of Italy.

81. **AMERICAN POLITICAL INSTITUTIONS.**—Nature of state and national systems ; organization and powers of legislative, executive and judicial departments of Federal Government.

82. **EUROPEAN CONSTITUTIONS.**—Political institutions of England and Switzerland as compared with those of the United States.

83. **CONSTITUTIONAL HISTORY OF THE UNITED STATES.**—Colonial Governments, the confederation, the federal constitution, national vs. state sovereignty.

84. **CONSTITUTIONAL HISTORY OF THE UNITED STATES.**—War of 1812, federal judiciary, nullification act, state constitutions, the Civil War.

85. **THE PHILOSOPHY OF HISTORY,** based principally on the works of Balmes, Schlegel and Allies.

86. **CHURCH HISTORY.**—From the Founding of the Church to the Protestant Reformation, based on the works of Allies, Montalembert, Mann, Janssen, and Pastor. Illustrated lectures including the history and geography of the Holy Land.

## ITALIAN.

87. ELEMENTARY COURSE.—Grammar. Conversation. Dictation.  
Reading : Bowen's Reader ; Cuore, *De Amicis* ; Manzoni, *I Promessi Sposi* ; Testa, *L'Oro e l'Orpello*.

88. ADVANCED COURSE.—Dante's life and works. Critical study of the *Divina Commedia*.

References : Scartizzini, *Companion to Dante* ; Brother Azarias, *Spiritual Idea in Dante's Divina Commedia*.

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## MATHEMATICS.

89. ALGEBRA.—

Hawkes, *Advanced Algebra*.

90. TRIGONOMETRY.—

Wentworth, *Plane and Spherical Trigonometry*.

91. ANALYTICAL GEOMETRY.—Including the general equation of the second degree.

Wentworth, *Analytical Geometry*.

92. ANALYTICAL GEOMETRY.—The straight line, the plane and surfaces of revolution.

Wentworth, *Analytical Geometry*.

93. CALCULUS.—Differential and Integral, with applications to geometry, mechanics, engineering and physics.

Osborne, *Differential and Integral Calculus*.

Campbell, *A Short Course in Differential Equations*.

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## MECHANICS.

94. MECHANICS.—Principles of statics and dynamics ; elements of hydrostatics.

Hancock, *Mechanics and Hydrostatics*.

95. MECHANICS OF MATERIALS.—Resistance and elasticity of materials, cantilever, simple and continuous beams, columns, torsion and shafts, stresses, resilience, tension and compression, flexure in beams, shear and torsion, true and apparent stresses, design and construction of beams in wood and steel, design of girders.

Merriman, *Mechanics of Materials*.

96. MECHANICS OF SOLIDS AND LIQUIDS.

*A knowledge of the calculus will be required for this course.*

Statics of concurrent and parallel forces, theory of couples, friction, mass-moments. Theorems of Guldinus, determination of centroids. Rectilinear and parabolic motion. Work and energy. Impulsive forces. Direct and oblique impact. Circular motion. Angular velocity and acceleration. Simple harmonic motion. Motion in a vertical curve. The conical and the ordinary pendulum. Determination of moments of inertia. Theory of potential. Derived units and their dimensions. Pressure due to gravitating liquids, center of pressure, equilibrium of floating bodies, determination of metacenter. The barometer and its application to hypsometry. Compressed-air manometers, exhausting and condensing air-pumps.

Maurer, *Technical Mechanics*.

97. THERMODYNAMICS.—Heat, steam, fuel economy, engine construction, engine tests, boiler construction and tests.

Lectures supplemented by visits to plants and examinations of machines in operation.

Jamieson, *The Steam Engine*.

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## ORATORY.

98. ELOCUTION.—Beginners' course in the principles of elocution, with weekly exercises.

99. ELOCUTION.—Advanced courses in the principles of elocution, with weekly exercises.

100. FORENSICS.—Study and analysis of typical British and American argumentative orations.

101. DEBATES.—Theory of the preparation of debates. Oral discussion of questions of the day.

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## PEDAGOGY.

102. PRINCIPLES OF TEACHING.—Importance of knowledge of physical, mental, and moral laws. Development of mental power. The teacher and his qualifications. School organization, hygiene, and discipline. Aids to teaching. Art of questioning and answering. Class examinations.

Butler, *The Meaning of Education*.

Dewey, *School and Society*.

Harris, *Psychologic Foundations of Education*.

Horne, *The Philosophy of Education*.

Shaw, *School Hygiene*.

103. THEORY AND PRACTICE OF TEACHING.—Foundations of method and general principles. Analysis and synthesis. Individual vs. simultaneous method. Class exercises and drill on subjects taught in elementary and secondary schools.

Landon, *Principles and Practice of Teaching*.

Frère Achille, *Méthodologie and Vade Mecum*.

Brothers of the Christian Schools, *Practical Pedagogy*.

104. HISTORY OF EDUCATION.—*Pre-Christian Era*: Chinese, Hindoos, Egyptians, Persians, Israelites, Greeks, and Romans. Notes on the educational leaders in each. Education during the Middle Ages: Monasticism, Scholasticism. The Crusades. Rise of Universities. Noted educators.

Brother Azarias, *Educational Essays*.

Drane, *Christian Schools and Scholars*.

105. HISTORY OF EDUCATION.—Period of the Renaissance, its characteristics; humanistic educators. Special study of the following educators: Sturm, Loyola, Fénelon, De La Salle, Locke, Rousseau, Basedow, Pestalozzi, Froebel, Comenius, Jacotot, Spencer, Mann, Barnard, Parker. History of the school system of the State of New York.

Monroe, *Text-book in the History of Education*; Davidson, *A History of Education*; Painter, *A History of Education*.

106. SPECIAL METHOD.—

Elementary English.

Chubb, *The Teaching of English*.

Arnold, *Reading, How to Teach It*.

Hinsdale, *Teaching the Language Arts*.

Hall, *How to Teach Reading*.

Farnham, *The Sentence Method*.

Secondary English.—

Carpenter, Baker, and Scott, *The Teaching of English*.

Laurie, *Language and Linguistic Method*.

Bates, *Talks on the Study of Literature*.

Corson, *The Aims of Literary Study*.

Elementary History.—

McMurry, *Special Method in History*.

*Report of the Committee of Seven*.

*Report of the Committee of Ten*.

*Report of a Committee of the National Historical Association on the Teaching of History in Elementary Schools*.

Secondary History.—

Bourne, *The Teaching of History and Civics*.

Langlois and Seignobos, *Introduction to the Study of History*.

Lamprecht, *What is History?*

*Report of the Committee of Seven*.

Elementary Mathematics.—

Smith, *The Teaching of Elementary Mathematics*.

McLellon and Dewey, *The Psychology of Number*.

Fitch, *Lectures on Teaching*.



### Secondary Mathematics:

Fink, *History of Mathematics.*

Young, *The Teaching of Mathematics in Prussia.*

De Morgan, *On the Study and Difficulties of Mathematics.*

Young, *The Teaching of Mathematics in Secondary Schools.*

### Elementary Science:

Redway, *The New Basis of Geography.*

Geikie, *The Teaching of Geography.*

Bailey, *The Nature Study Idea.*

Hodge, *Nature Study and Life.*

### Secondary Science:

Lloyd and Bigelow, *The Teaching of Biology.*

Smith and Hall, *The Teaching of Chemistry and Physics.*

### Foreign Languages: French and German.

Widgery, *The Teaching of Languages in Schools.*

Bagster-Collins, *The Teaching of German in Secondary Schools.*

*Report of the Committee on Modern Languages.*

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## PHILOSOPHY.

107. FORMAL LOGIC.—The idea. Errors as to the nature of ideas in modern English and German Philosophy. Definition. Division. The nature of judgment. The value of the syllogism.

108. CRITICAL LOGIC.—The possibility of certainty. Scepticism. Veracity of the senses and the intellect. Idealism vs. Realism. Universals. Authority and belief.

109. METHOD.—General principles. Special methods. Deduction and induction. Methods of observation. Methods of explanation.



110. METAPHYSICS.—The Aristotelian transcendentals. Reality of substances. Causation. Errors concerning causation. Final causes.

111. COSMIC PHILOSOPHY.—Nature, origin, and duration of the universe. Ultimate constituents of bodies. Theory of matter and form. Laws of nature. Possibility of miracles. The concepts of natural science and scholastic philosophy.

112. PSYCHOLOGY.—Rational vs. experimental psychology; value of each. Faculty, habit, and action. The life principle. Vegetative Life. Theory of sensation. Qualities of sensation. Intellection. Attention. Apperception. Association of ideas. Evolutionism. Heredity. Freedom of will. Spirituality and immortality of the soul. Psychology and the teacher.

113. EPISTEMOLOGY.—Critical examination of various theories of knowledge.

114. NATURAL THEOLOGY.—Proof of God's existence and providence—Deism, pantheism, agnosticism, atheism. Existence of evil. Preservation of creatures. Divine concurrence.

115. GENERAL ETHICS.—Nature of a human act. Ultimate end of human actions. Determinants of morality. Does the end justify the means? Hindrances to the perfection of a human act. The passions, habit, virtue, vice.

116. SPECIAL ETHICS.—Man's rights and duties as an individual. Man's duties to God. Adoration, love, obedience. Man's duties to his neighbor as regards soul and body. Man's duties to himself as to soul and body. Suicide and dueling.

Man's rights and duties as citizen. The state. Its constituent elements. Its origin, end, scope, and limits.

Common law of nations. Peaceful relations among nations.

Ecclesiastical society. The Church. Its origin and constitution. Its end and limits. Its superiority to the state. Its mission to the modern world.

117. EXPERIMENTAL PSYCHOLOGY.—Elements and general methods. Elements of mental life; sensation, feeling, conation. Experiments on the outer senses and on the association of ideas with special application to Pedagogy.

118. HISTORY OF PHILOSOPHY.—Principles of the great Founders of Ancient Schools, their vitality as illustrated in modern views. History of Medieval Philosophy. History of Modern Philosophy. The Neo-Scholastic Movement.

Turner, *History of Philosophy*.

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## PHYSICS.

119. LIGHT.—Laws of propagation; velocity and intensity of light. Photometry. Reflection and refraction; formation of images by mirrors and lenses. Spectrum analysis and study of optical instruments.

Stewart, *Text-book of Light*.

HEAT.—Temperature and its measurement. Expansion of solids, liquids, and gases. Change of state. Conduction, convection, radiation and absorption of heat. Vapor tension. Latent heat and specific heat. Relation between heat and work; energy actual and potential.

Stewart, *Text-book of heat*.

SOUND.—Production and propagation, velocity, reflection, and refraction. Simple cases of resonance and interference. Intensity, pitch, and quality. Transverse vibrations of strings. Longitudinal vibration of columns of air and of rods; vibrations of plates and membranes. Determination of pitch and wave-length. Doppler's principle and applications.

120. ELECTRICITY AND MAGNETISM.—Fundamental phenomena of static electricity; general laws of distribution and induction. The Leyden jar and other condensers. Influence machines. Atmospheric electricity. Use of quadrant electrometer. Primary and secondary batteries; electromotive force, strength of current, division of current in a network of conductors. Ohm's law and applications. Magnetic, thermal, and chemical effects of the current. Laws of electrolysis. Measurement of current and resistance. The electromagnet. Current induction, induction by magnets, the induction coil, discharge in low and high vacua. Continuous-current dynamo and motor; the alternator. The electric transmission of energy. Electric lighting. Thermoelectric currents. Telegraphy and telephony. Wireless telegraphy.

Permanent magnets and molecular theory; magnetic induction; the magnetic circuit. Comparison of magnetic fields. Theory and use of the magnetometer and dip-circle. Terrestrial magnetism and determination of the magnetic elements; magnetic parts.

Nichols and Franklin, *Electricity and Magnetism*.

120. PHYSICAL LABORATORY.—Study of the magnetic field due to a magnet and combination of magnets. Curve of free magnetism. Law of the inverse square. Comparison of magnetic moments. The ratio  $\frac{M}{H}$  also the product  $MH$ . Determination of magnetic dip. Laying out the meridian; magnetic declination. Measurement of electromotive force. Resistance of conductors. Capacity of condensers. Battery resistance and current strength. Measurements relating to storage batteries. Use of the tangent galvanometer, ammeter and voltmeter for direct and alternating currents; the wattmeter and electrodynanometer; the copper voltameter. Quantitative estimate of heat development in a circuit.

Karapetoff, *Experimental Electrical Engineering*.

## RELIGION.

### CHRISTIAN DOCTRINE.

121. DOGMA.—Explanation of the principal dogmas, with special insistence on the continuity of the Church. The Church and science. Objections.

Christian Brothers, *Manual of Christian Doctrine*.

122. MORAL.—Explanation of the fundamental principles of Christian morality as contained in the decalogue.

Christian Brothers, *Manual of Christian Doctrine*.

123. WORSHIP.—Grace, prayer, and the sacraments, with special references to the Council of Trent and the tenets of Protestantism.

Christian Brothers, *Manual of Christian Doctrine*.

124. APOLOGETICS.—Nature and necessity of Revelation. Its criteria. Modern objections.

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## SPANISH.

125. ELEMENTARY COURSE.—Grammar, reading, dictation, composition; De Tornos' Method; Ramsey's *Elementary Reader*; Alarcon, *El Capitan Veneno*; Galdós, *Doña Perfecta*, *Marianela*; Valera, *El Pájaro Verde*; Fernandez de Moratin, *El Si de las Niñas*.

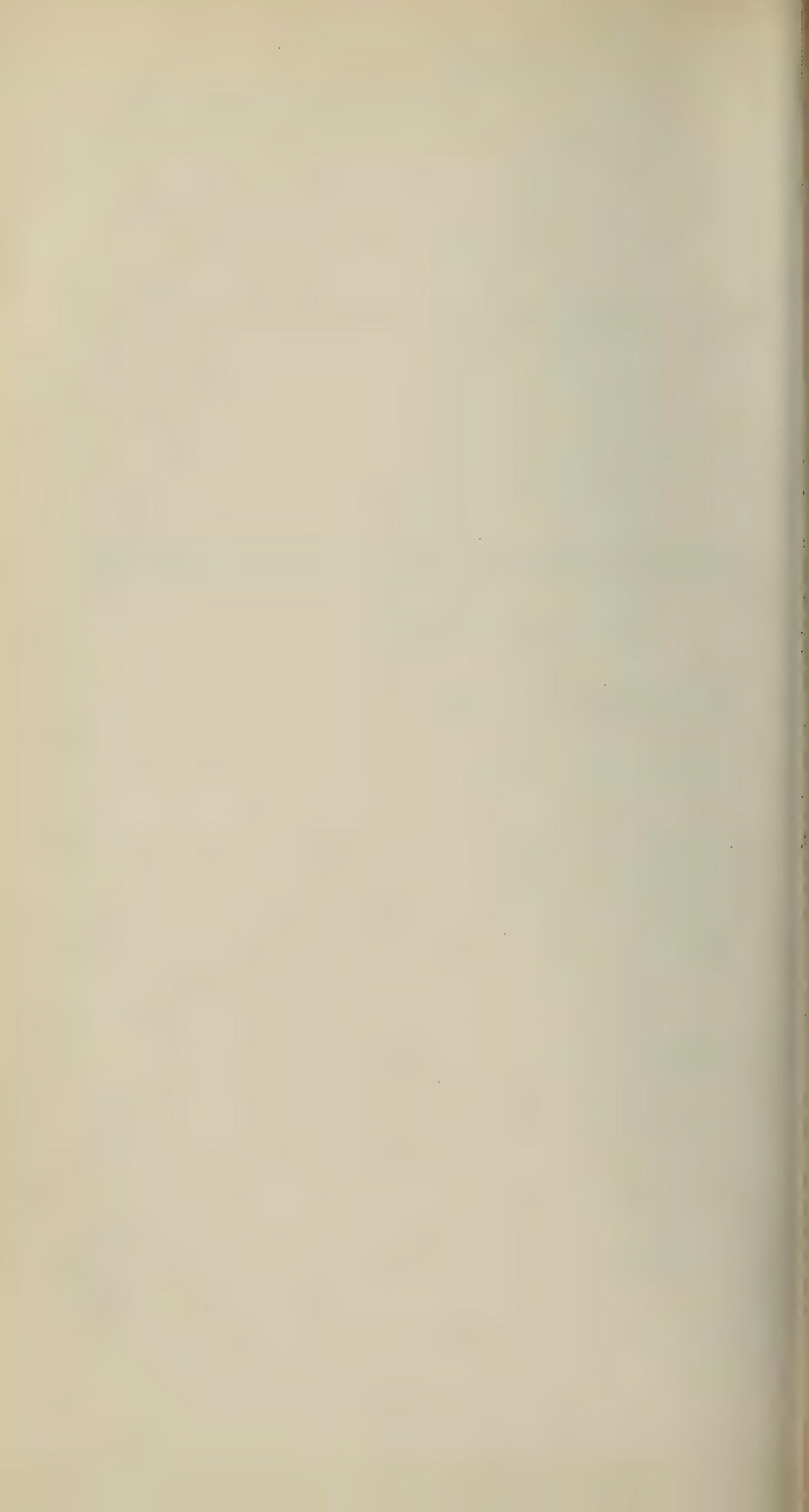
126. INTERMEDIATE COURSE.—Grammar, reading, dictation, composition; Ford's *Spanish Composition*; Valdes, *José*; Cervantes, *Don Quijote*; Larra, *Partir á Tiempo*; Pereda, *Pedro Sanchez*; Valera, *Estudios Criticos*.

127. ADVANCED COURSE.—Composition, reading of classic dramas: Calderon, *El Principe Constante*; *La Vida es Sueño*; Lope de Vega, *La Estrella de Sevilla*. Study of Spanish Literature.

Reference: Fitz-James Kelly, *History of Spanish Literature*.

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| BIRMINGHAM, ABRAM W.             | '00           | NEW YORK CITY           |
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| COSTELLO, EDWARD T.                | '05 | NEW YORK CITY       |
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| CREAN, MARTIN J.                   | '04 | NEW YORK CITY       |
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| CROAK, WM. THOMAS                  | '95 | PORT RICHMOND, S.I. |
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| CULLEN, JOHN A.                    | '03 | NEWARK, N. J.       |
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| CURRAN, LOUIS E.                      | '96 | MONTREAL, CANADA   |
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| CURTIN, JOHN J., M.A.                 | '00 | BROOKLYN, N. Y.    |
| DALTON, JAMES F.                      | '97 | YONKERS, N. Y.     |
| DARDIS, JOHN M.                       | '88 | NEW YORK CITY      |
| DAVID, JOSEPH T.                      | '04 | BROOKLYN, N. Y.    |
| DAWKINS, REV. J. J., O.P.             | '94 | SPRINGFIELD, KY.   |
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| *DEERING, EDWARD M.                   | '71 | NEW YORK CITY      |
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| DEEVY, REV. EDWARD J.                 | '05 | NEW YORK CITY      |
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| DEVINE, REV. DENIS J., C.S.P.         | '09 | NEW YORK CITY      |
| DEVLIN, MICHAEL E., M.A.              | '75 | WESTCHESTER, N. Y. |
| DEVEREAUX, JOHN R., M.A., M.D.        | '89 | PHILADELPHIA, PA.  |
| DEVERY, LEO C.                        | '02 | NEW YORK CITY      |
| DILLON, REV. JOHN J., M.A.            | '77 | ALBANY, N. Y.      |
| DILLON, JOSEPH A., M.D.               | '87 | NEW YORK CITY      |
| DILLON, CHAS. J., M.D.                | '98 | NEW YORK CITY      |
| *DOHERTY, THOMAS F.                   | '88 | TROY, N. Y.        |
| *DOLAN, REV. JOHN W., M.A.            | '78 | JOHNSTOWN, N. Y.   |
| DOLLARD, JOHN E.                      | '01 | TROY, N. Y.        |
| DONAHUE, FRANCIS M.                   | '91 | NEW YORK CITY      |



DONAHOE, REV. JOHN F., M.A. '78 . ALBANY, N. Y.  
 \*DONAHUE, NATHANIEL M., M.A., M.D. '87 . NEW YORK CITY  
 DONAHUE, THOMAS I. . '88 . NEW YORK CITY  
 \*DONAHUE, REV. JAMES P., M.A. Causa honoris '89 . DOBBS FERRY, N. Y.  
 DONOHUE, REV. JOSEPH P., M.A. '90 . NEW YORK CITY  
 DONAVAN, REV. WM. J., M.A. . '77 . PORT RICHMOND, N. Y.  
 DONAVAN, JOHN J. . . '01 . NEW YORK CITY  
 DONAVAN, GILBERT C. . . '05 . NEW YORK CITY  
 DONOVAN, HENRY A. . . '09 . NEW YORK CITY  
 DONOVAN, WM. F., A.M., M.D. . '87 . NEW YORK CITY  
 DONLIN, REV. GEORGE T., M.A. Causa honoris '80 . NEW YORK CITY  
 DONLIN, EDWARD J., M.A., M.D. Causa honoris '80 . NEW YORK CITY  
 DONNELLY, REV. PETER J. . '87 . PALMERS FALLS, N. Y.  
 \*DONNELLY, JAMES E. . . '91 . NEW YORK CITY  
 DONNELLY, NICHOLAS A. . . '93 . NEW YORK CITY  
 DOOLEY, REV. JAMES A., M.A. . '85 . NEW YORK CITY  
 \*DOOLEY, JAMES P., F.S.C., M.A. . '93 . WASHINGTON, D. C.  
 DOOLEY, REV. MARTIN F. . . '96 . CENTERVILLE, S. D.  
 DOOLEY, REV. WM. P. F. . . '97 . NEW YORK CITY  
 DORAN, EDWARD J. . . . '86 . PHILADELPHIA, PA.  
 DORAN, REV. WM. A. . . . '91 . NEWPORT, R. I.  
 DORN, JACOB J., M.A. . . . '96 . BROOKLYN, N. Y.  
 \*DOUGHERTY, REV. MAURICE J., M.A. '72 . NEW YORK CITY  
 DOUGHERTY, REV. DANIEL M. '00 . KINGSTON, N. Y.  
 DOUGHERTY, JAMES E., C.E. . '05 . NEW YORK CITY  
 DOUGHERTY, WILLIAM J. . . '09 . NEW YORK CITY  
 DOWD, REV. JOHN J. . . . '97 . SCHENECTADY, N. Y.  
 DOWLING, VICTOR J., M.A., LL.D. '83 . NEW YORK CITY  
 DOWLING, REV. AUSTIN A., M.A., S.T.L. '87 . PROVIDENCE, R. I.  
 DOWNEY, THOMAS F. . . . '86 . BROOKLYN, N. Y.  
 DOYLE, REV. WALTER A. . . '94 . WHITESBORO, N. Y.  
 DOYLE, JOHN . . . . '97 . LYONS FALLS, N. Y.  
 DOYLE, REV. THOMAS J. . . '01 . NEW YORK CITY  
 DOYLE, CHARLES A. . . . '02 . BROOKLYN, N. Y.  
 DOYLE, VERY REV. A.P., C.S.P., LL.D. Causa honoris '06 . WASHINGTON, D. C.  
 DRISCOLL, REV. JOHN T., M.A., S.T.L. '85 . FONDA, N. Y.



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| *DRISCOLL, REV. TIMOTHY L.          | '89 | . NEW YORK CITY         |
| *DROOGAN, CORNELIUS J., M.A.        | '88 | . TANNERVILLE, N. Y.    |
| DRUM, THOMAS A.                     | '83 | . JERSEY CITY, N. J.    |
| DUANE, JOHN F., M.A.                | '95 | . BROOKLYN, N. Y.       |
| *DUFFY, REV. JOHN F., M.A.          | '76 | . NEW YORK CITY         |
| DUFFY, REV. MICHAEL J.              | '85 | . CROTON FALLS, N. Y.   |
| DUGAN, TIMOTHY J.                   | '07 | . NEW YORK CITY         |
| DUGGAN, REV. MATTHEW J.             | '99 | . NEW YORK CITY         |
| *DUNN, JOHN L., M.A.                | '78 | . TROY, N. Y.           |
| DUNN, EDWARD A.                     | '84 | . BROOKLYN, N. Y.       |
| DUNN, REV. JOHN S., J.C.B., S.T.L.  | '91 | . PROVIDENCE, R. I.     |
| DUNNEY, REV. JOSEPH A.              | '01 | . ALBANY, N. Y.         |
| DUNPHY, EDWARD P.                   | '92 | . NEWBURGH, N. Y.       |
| DWYER, REV. AMBROSE M.              | '90 | . LESTERSHIRE, N. Y.    |
| DWYER, REV. WM. MARTIN, M.A.        | '99 | . SYRACUSE, N. Y.       |
| EDWARDS, REV. CHARLES A.            | '00 | . PAWTUCKET, R. I.      |
| EILENBECKER, PETER A., F.S.C., M.A. |     |                         |
|                                     | '93 | . SAN JUAN, PORTO RICO  |
| EGAN, REV. WILLIAM P.               | '93 | . SYLVAN LAKE, N. Y.    |
| *ELLIOTT, GEORGE A., M.A., M.D.     | '87 | . NEW YORK CITY         |
| ENGLEHARDT, FRANCIS G., M.A., M.D.  |     |                         |
|                                     | '89 | . SYRACUSE, N. Y.       |
| ETTINGER, WM. L., M.A., M.D.        | '81 | . NEW YORK CITY         |
| *FAGAN, EDWARD F., M.A., Ph.D.      | '69 | . NEW YORK CITY         |
| FAGAN, REV. FRANCIS M., M.A.        | '83 | . NEW YORK CITY         |
| FAHEY, REV. JOHN T.                 | '90 | . PROVIDENCE, R. I.     |
| *FARLEY, EDWARD J.                  | '95 | . NEW YORK CITY         |
| *FARLEY, JOSEPH A., M.A.            | '96 | . NEW YORK CITY         |
| FARLEY, JOSEPH B.                   | '03 | . BROOKLYN, N. Y.       |
| *FARR, WM. LOUIS, F.S.C., M.S.      | '93 | . NEW YORK CITY         |
| FARRAR, REV. JOHN W.                | '91 | . OSWEGO, N. Y.         |
| *FARRELL, REV. WM. A., M.A., LL.D.  |     |                         |
|                                     | '71 | . NEW YORK CITY         |
| *FARRELL, BARTHOLOMEW J., M.A.      |     |                         |
|                                     | '78 | . NEW YORK CITY         |
| FARRELL, REV. WILLIAM B.            | '87 | . BROOKLYN, N. Y.       |
| FARRELL, REV. JOSEPH A.             | '95 | . NEW BRIGHTON, N. Y.   |
| FARRELL, WILLIAM B.                 | '03 | . NEW YORK CITY         |
| FARRELLY, REV. THOMAS B.            | '92 | . NEW YORK CITY         |
| FAULHABER, FRANCIS H.               | '90 | . NEW YORK CITY         |
| FAUST, AMBROSE J., LL.D.            | '98 | . WASHINGTON, D. C.     |
| FENNELL, JAMES R., M.A.             | '05 | . NEW YORK CITY         |
| FERDINAND, JNO. E., M.A., M.D.      | '68 | . CLIFFSIDE PARK, N. J. |
| FERNANDEZ, JOSE F., M.D.            | '83 | . NEW YORK CITY         |

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|-----------------------------------------------|-----|-----------------------|
| FERRER, JOSE M., M.A., M.D.                   | '76 | NEW YORK CITY         |
| *FERRY, CHAS. A.                              | '93 | NEW YORK CITY         |
| FINLEY, WM., M.A.                             | '85 | NEW YORK CITY         |
| *FINN, LAWRENCE B.                            | '76 | COHOES, N. Y.         |
| *FISHER, JAMES B., M.A.                       | '72 | NEW YORK CITY         |
| FITZGERALD, JOHN J., M.A.                     | '91 | BROOKLYN, N. Y.       |
| FITZGERALD, JOHN P., M.A.                     | '00 | PHILIPPINE ISLANDS    |
| FITZGERALD, JOHN M.                           | '07 | NEW YORK CITY         |
| FITZPATRICK, FRANCIS J.                       | '82 | NEW YORK CITY         |
| FITZSIMMONS, REV. JAMES F., M.A., S.T.L.      | '85 | NEW YORK CITY         |
| FITZSIMMONS, THOMAS J.                        | '87 | NEW YORK CITY         |
| FITZSIMMONS, WILLIAM P. F.S.C., C.E.          | '05 | NEW YORK CITY         |
| FLAHERTY, REV. EDMUND P., S.T.L.              | '92 | BROOKLYN, N. Y.       |
| FLANAGAN, JOHN H.                             | '92 | PROVIDENCE, R. I.     |
| FLANAGAN, WM., M.A., M.D.                     | '95 | PROVIDENCE, R. I.     |
| FLANIGAN, JAMES F., C.E.                      | '06 | OSWEGO, N. Y.         |
| FLANNELLY, REV. JOSEPH F., M.A. Causa honoris | '93 | NEW YORK CITY         |
| FLOOD, REV. THOMAS F.                         | '87 | NEW YORK CITY         |
| *FLYNN, LUKE M., M.A.                         | '79 | NEW YORK CITY         |
| FLYNN, REV. THOS. S.                          | '92 | CHITTENANGO, N. Y.    |
| FLYNN, REV. WM. H., S.T.B.                    | '97 | WATERBURY, CONN.      |
| FLYNN, EDWARD J.                              | '00 | NEW YORK CITY         |
| FOGARTY, REV. MICHAEL E.                      | '95 | SACKETT HARBOR, N. Y. |
| *FOY, REV. WM. J., M.A.                       | '70 | NEW YORK CITY         |
| FOY, WILLIAM J.                               | '09 | NEW YORK CITY         |
| FRAWLEY, JAMES J., M.A. Causa honoris         | '03 | NEW YORK CITY         |
| GALLAGHER, FRANCIS C.                         | '80 | BROOKLYN, N. Y.       |
| *GALLAGHER, EDWARD M.                         | '85 | OSSINING, N. Y.       |
| GALLAGHER, JAMES T., M.A., M.D.               | '89 | BROOKLYN, N. Y.       |
| GALLIGAN, REV. CHAS. J.                       | '84 | LYKENS, PA.           |
| GALWAY, THOS. F., M.A. Causa honoris          | '90 | NEW YORK CITY         |
| GANLEY, JOHN M.                               | '00 | FORT EDWARD, N. Y.    |
| GANLEY, FRANCIS L.                            | '03 | FORT EDWARD, N. Y.    |
| GANNON, JOHN F., M.D.                         | '99 | PROVIDENCE, R. I.     |
| GARDINER, REV. JOHN F.                        | '85 | OLEAN, N. Y.          |
| GARDINER, REV. WM. A.                         | '87 | BATH BEACH, N. Y.     |
| GARLAND, HENRY L., M.A.                       | '86 | NEW ORLEANS, LA.      |

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| GARLAND, ROBERT E. L.           | '87           | ÖPELOUSAS, LA.      |
| GARNETT, THOMAS F.              | '70           | WATERTOWN, N. Y.    |
| GEARON, WILLIAM A.              | '01           | NEW YORK CITY       |
| GELT, GABRIEL E.                | '82           | HAVANA, CUBA        |
| GIBLIN, JAMES M.                | '89           | NEW YORK CITY       |
| GIEGERICH, LEONARD A., LL.D.    | Causa honoris |                     |
|                                 | '03           | NEW YORK CITY       |
| GILLIGAN, REV. JOHN E.          | '94           | TROY, N. Y.         |
| GILMARTIN, REV. PATRICK J.      | '00           | NEW YORK CITY       |
| GLEASON, EDWIN S.               | '96           | NEW YORK CITY       |
| *GLEESON, WILLIAM E. R.         | '81           | PITTSBURG, PA.      |
| GLEESON, REV. MATTHEW C., M.A.  | '91           | BROOKLYN, N. Y.     |
| GLEESON, JAMES J., M.D.         | '94           | NEW YORK CITY       |
| GLENNON, JOSEPH J.              | '97           | NEW YORK CITY       |
| GLINNEN, WILLIAM J., M.D.       | '94           | BROOKLYN, N. Y.     |
| *GLOVER, ROBERT O., M.A.        | '66           | NEW YORK CITY       |
| GLOVER, FREDERICK R., M.A. M.D. | Causa honoris |                     |
|                                 | '85           | MOUNT VERNON, N. Y. |
| GOGGIN, REV. JAMES E., M.A.     | '86           | PAWLING, N. Y.      |
| GOLDEN, JAMES J.                | '00           | NEW YORK CITY       |
| GOVERN, EDW. J., C.E.           | '93           | ROCHESTER, N. Y.    |
| GRACE, WILLIAM J.               | '94           | SYRACUSE, N. Y.     |
| *GRADY, REV. JOHN M., M.A.      | '69           | NEW YORK CITY       |
| *GRADY, JAMES J., M.A.          | '73           | NEW YORK CITY       |
| GRADY, THOMAS F., M.A.          | Causa honoris |                     |
|                                 | '80           | NEW YORK CITY       |
| GRANT, WILLIAM E.               | '98           | BROOKLYN, N. Y.     |
| GREANEY, REV. JOHN J.           | '98           | KNOXVILLE, PA.      |
| GREELY, MICHAEL N.              | '88           | ST. LOUIS, Mo.      |
| GREENE, REV. JOHN J., M.A.      | '79           | HARTLAND, ILL.      |
| GREENE, JAMES B., M.A.          | '89           | WASHINGTON, D. C.   |
| GRIFFIN, FRANK J., M.A.         | '91           | NEW YORK CITY       |
| GRIFFITH, WILLIAM H.            | '80           | NEW YORK CITY       |
| *GROVE, JOHN H., M.D., LL.D.    | Causa honoris |                     |
|                                 | '81           | PHILADELPHIA, PA.   |
| GUINAN, REV. WILLIAM J., D.D.   | '82           | NEW YORK CITY       |
| HAGGERTY, WILLIAM F.            | '79           | NEW YORK CITY       |
| HAGGERTY, TIMOTHY J.            | '88           | BROOKLYN, N. Y.     |
| HAGGERTY, JOHN J., F.S.C., M.S. | '93           | NEW YORK CITY       |
| HAGGERTY, DANIEL C.             | '04           | NEW YORK CITY       |
| *HAHN, GEORGE V., F.S.C.        | '93           | NEW YORK CITY       |
| HALL, REV. JAMES J., M.A.       | '78           | SOUTH ORANGE, N. J. |

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|-------------------------------------------|---------------|-------------------------|
| *HALLORAN, REV. EDWARD J.                 | Causa honoris |                         |
|                                           | '91           | NEW YORK CITY           |
| HALPIN, PAUL J., M.A.                     | Causa honoris |                         |
|                                           | '91           | NEW YORK CITY           |
| HAMMER, GEORGE F., F.S.C.                 | '95           | TROY, N. Y.             |
| HANLEY, REV. PETER A., M.A.               | '99           | PROVIDENCE, R. I.       |
| *HANNIGAN, REV. FRANCIS E., M.A.          |               |                         |
|                                           | '79           | NEW YORK CITY           |
| HANRAHAN, EDWARD A.                       | '06           | NEW YORK CITY           |
| HARRINGTON, REV. JOHN J.                  | '90           | NEW YORK CITY           |
| HASSETT, EDWARD, M.A.                     | Causa honoris |                         |
|                                           | '93           | NEW YORK CITY           |
| HAVARD, LIEUT. COL. VALERY,<br>M.S., M.D. | '68           | WASHINGTON, D. C.       |
| *HAWKINS, WILLIAM J.                      | '85           | RED BANK, N. J.         |
| HAYES, REV. JAMES W., M.A.                | '71           | NEW BRUNSWICK, N. J.    |
| HAYES, RT. REV. MGR. P. J., M.A.          | '88           | NEW YORK CITY           |
| HAYES, REV. ALBERT J.                     | '88           | CAZENOVIA, N. Y.        |
| HAYES, DERMOT J., M.D.                    | '91           | TORRINGTON, CONN.       |
| HEAFY, REV. THOMAS J., M.A., S.T.B.       |               |                         |
|                                           | '86           | CROTON-ON-HUDSON, N. Y. |
| HEALEY, JOHN E.                           | '01           | TROY, N. Y.             |
| HEFELE, GEORGE H., C.E.                   | '92           | NEW YORK CITY           |
| HENNESSEY, FRANCIS X.                     | '06           | NEW YORK CITY           |
| HENRICH, JOSEPH C.                        | '09           | NEW YORK CITY           |
| HENRY, REV. EDWARD B.                     | '95           | PORTLAND, ME.           |
| HENRY, REV. WALTER G.                     | '98           | NEW YORK CITY           |
| *HEROLD, JOHN B., F.S.C., M.A.            | '76           | NEW YORK CITY           |
| HEROLD, JUSTIN B., M.A., M.D.             | Causa honoris |                         |
|                                           | '87           | NEW YORK CITY           |
| HICKEY, VALENTINE P.                      | '95           | BROOKLYN, N. Y.         |
| *HIGGINS, REV. JOHN C., M.A.              | '79           | SYRACUSE, N. Y.         |
| *HIGGINS, REV. EDWARD J.                  | '87           | ALBANY, N. Y.           |
| HOCTOR, JAMES E.                          | '85           | NEW YORK CITY           |
| HOLLAND, REV. CORNELIUS J.                | '95           | PROVIDENCE, R. I.       |
| HOLLAND, REV. JOSEPH F.                   | '00           | NEW YORK CITY           |
| HOLLAND, JOHN P., M.S.                    | Causa honoris |                         |
|                                           | '05           | SOUTH ORANGE, N. J.     |
| HOPKINS, OTIS A., M.A.                    | '75           | BINGHAMPTON, N. Y.      |
| HOPKINS, REV. JOSEPH A., M.A.             | '87           | OSWEGO, N. Y.           |
| *HORAN, REV. MICHAEL F.                   | '88           | NEW YORK CITY           |
| *HOWARD, REV. JOHN J.                     | '77           | HUDSON, N. Y.           |
| HOULIHAN, JOSEPH T.                       | '09           | NEW YORK CITY           |
| HUGHES, JAMES J.                          | '91           | NEW YORK CITY           |



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|---------------------------------|---------------|---------------------|
| *HUGHES, WILLIAM C., M.A.       | '96           | BROOKLYN, N. Y.     |
| HUNT, JOSEPH L.                 | '98           | NEW YORK CITY       |
| *HURLEY, REV. JOHN A., M.A.     | '71           | FISHKILL, N. Y.     |
| HURLEY, DANIEL J.               | '83           | BROOKLYN, N. Y.     |
| HYNES, JOSEPH E.                | '05           | TROY, N. Y.         |
| *IRVING, REV. THOMAS H.         | '80           | OSSINING, N. Y.     |
| JACKSON, JOSEPH R.              | '00           | BUTTE, MONTANA      |
| JOHNSTON, REV. WILLIAM J.       | '93           | NEW YORK CITY       |
| JORDAN, REV. JOHN T., M.A.      | '98           | NEW YORK CITY       |
| KANE, JOSEPH J., M.A., M.D.     | '89           | BUFFALO, N. Y.      |
| KANE, JAMES J., M.A.            | '01           | BROOKLYN, N. Y.     |
| *KAVANAGH, DANIEL A.            | '81           | CINCINNATI, OHIO    |
| KEAN, REV. JOHN J., M.A., LL.D. | '66           | NEW YORK CITY       |
| KEAN, JOHN J., M.A.             | '02           | BROOKLYN, N. Y.     |
| KEARNEY, ALFRED A.              | '79           | NEW YORK CITY       |
| KEARNEY, CHARLES R.             | '82           | NEW YORK CITY       |
| KEARNEY, JOHN J.                | '92           | NEW YORK CITY       |
| KEARNS, THOMAS J.               | '02           | NEW YORK CITY       |
| KEEFE, JOHN W., M.D., LL.D.     | Causa honoris |                     |
|                                 | '09           | PROVIDENCE, R. I.   |
| KEEFE, REV. RICHARD J., M.A.    | '76           | WHITE PLAINS, N. Y. |
| KEENAN, REV. THOMAS J., M.A.    | '85           | NEW YORK CITY       |
| KEENAN, JAMES P., M.A.          | '91           | NEW YORK CITY       |
| *KEENAN, HENRY C., M.A., M.D.   | '92           | BROOKLYN, N. Y.     |
| KEENAN, ALBERT J., M.D.         | '97           | BROOKLYN, N. Y.     |
| KELIHER, REV. MICHAEL F.        | '87           | NEW YORK CITY       |
| *KELLY, THEODORE S.             | '71           | BROOKLYN, N. Y.     |
| KELLY, REV. CORNELIUS S.        | '84           | RUMFORD, R. I.      |
| KELLY, EDWARD H., M.A.          | '85           | NEW YORK CITY       |
| KELLY, FRANCIS R.               | '94           | NEW YORK CITY       |
| KELLY, REV. JAMES S., M.A.      | '71           | NEW YORK CITY       |
| *KELLY, REV. JAMES W., M.A.     | '77           | NEW YORK CITY       |
| KELLY, REV. JOHN T.             | '96           | NEW YORK CITY       |
| KELLY, THOMAS P., F.S.C., C.E.  | '99           | OAKLAND, CAL.       |
| KELLY, REV. THOMAS A.           | '90           | FALL RIVER, MASS.   |
| *KENNAH, JAMES B.               | '85           | ALBANY, N. Y.       |
| *KENNEDY, JOHN J.               | '80           | NEW YORK CITY       |
| KENNEDY, LEO E.                 | '95           | BROOKLYN, N. Y.     |
| *KENNY, REV. JOHN H., M.A.      | '83           | NEW YORK CITY       |
| KENNEY, REV. JOHN L.            | '99           | NEW YORK CITY       |
| KEOGH, MARTIN J., LL.D.         | Causa honoris |                     |
|                                 | '03           | NEW ROCHELLE, N. Y. |
| KERENS, RICHARD, JR., M.A.      | '95           | ST. LOUIS, MO.      |
| KERWIN, REV. WILLIAM T.         | '93           | BROOKLYN, N. Y.     |

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| KIFFEN, JOHN E., M.A.                             | '99 | LONG ISLAND CITY, N. Y. |
| KILDUFF, REV. JOHN J.                             | '01 | COHOES, N. Y.           |
| KING, THOMAS J.                                   | '99 | PROVIDENCE, R. I.       |
| KINNEY, PATRICK R., M.A.                          | '02 | NEW YORK CITY           |
| *KIRBY, REV. WILLIAM S.                           | '85 | SOUTHAMPTON, N. Y.      |
| KIRBY, REV. JAMES P.                              | '00 | SHELBURNE FALLS, MASS.  |
| *KOINE, CHARLES M.                                | '85 | BUFFALO, N. Y.          |
| KRACHT, GEO. H., M.A.                             |     | Causa honoris           |
|                                                   | '76 | NEW YORK CITY           |
| KUERZI, FRANCIS J.                                | '96 | NEW YORK CITY           |
| LADEN, JAMES E.                                   | '04 | NEW YORK CITY           |
| LALLY, MICHAEL J.                                 | '90 | NEW YORK CITY           |
| *LALOR, JOHN J., M.A.                             |     | Causa honoris           |
|                                                   | '69 | MILWAUKEE, WIS.         |
| LANDY, JAMES T., C.E.                             | '05 | NEW YORK CITY           |
| LANE, THOMAS R., M.A.                             | '73 | NEW YORK CITY           |
| *LANE, WILLIAM E.                                 | '77 | HUDSON, N. Y.           |
| LANE, REV. FLORENCE A., S.T.L.                    | '94 | PALMER, MASS            |
| *LARKIN, WILLIAM R., M.A., M.D.                   | '79 | NEW YORK CITY           |
| LARKIN, JOHN H., M.A., M.D.                       | '91 | NEW YORK CITY           |
| *LARKIN, JAMES P.                                 | '94 | UTICA, N. Y.            |
| *LARKIN, JOHN T.                                  | '99 | NEW YORK CITY           |
| LA ROSA, GUSTAVO F., C.E.                         | '03 | HAVANA, CUBA            |
| LASTRAPES, BRONIER H.                             | '86 | NEW ORLEANS, LA.        |
| LASTRAPES, WILLIAM R., M.A., M.D.                 | '87 | OPELOUSAS, LA.          |
| LAUTERBACH, EDWARD, LL.D.                         |     | Causa honoris           |
|                                                   | '05 | NEW YORK CITY           |
| LAVELLE, RT. REV. MGR. MICHAEL J.,<br>M.A., LL.D. | '73 | NEW YORK CITY           |
| LAVELLE, REV. FRANCIS E., J.U.L.                  | '90 | AMENIA, N. Y.           |
| LAVIN, DESIDERIO, M.S.                            | '01 | NEW YORK CITY           |
| *LEDDIN, MICHAEL J.                               | '82 | MONTGOMERY, N. Y.       |
| LENES, REV. FRANCIS C., LL.D.                     | '80 | MONTGOMERY, N. Y.       |
| LENNON, REV. JOHN J., M.A.                        | '86 | NEW YORK CITY           |
| LEON, ALEXIS M., M.A., M.D.                       | '75 | NEW YORK CITY           |
| LICARI, JEROME J.                                 | '02 | NEW YORK CITY           |
| LICARI, LAWRENCE H.                               | '06 | BROOKLYN, N. Y.         |
| LINDSMAN, REV. JOHN L.                            | '89 | FULTON, N. Y.           |
| LOFTUS, JAMES F.                                  | '85 | BUFFALO, N. Y.          |
| LOGUE, DANIEL F.                                  | '98 | NEW YORK CITY           |
| LONARGAN, REV. JOHN P., M.A.                      | '80 | HYDE PARK, N. Y.        |
| LONARGAN, REV. MICHAEL J.                         | '84 | NEW YORK CITY           |
| LONERGAN, JOHN E., C.E.                           | '03 | BROOKLYN, N. Y.         |



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| LOPEZ, REV. MICHAEL S. . . .           | '97 | BROOKLYN, N. Y.       |
| LOUGHLIN, JOHN S. . . .                | '07 | NEW YORK CITY         |
| LOUGHRAN, WILLIAM H., M.A. . .         | '82 | NEW YORK CITY         |
| LOUGHRAN, REV. THOMAS J., M.A.         | '83 | WOONSOCKET, R. I.     |
| LOUGHRAN, THOMAS V. . . .              | '95 | PHILADELPHIA, PA.     |
| LOWNEY, REV. DENIS M., M.A., S.T.B.    | '84 | PAWTUCKET, R. I.      |
| LYNCH, REV. THOMAS F., M.A. . .        | '66 | NEW YORK CITY         |
| LYNCH, JOHN E. . . .                   | '82 | HAVERSTRAW, N. Y.     |
| LYNCH, JAMES C. . . .                  | '94 | OGDENSBURG, N. Y.     |
| LYNCH, HENRY J. . . .                  | '00 | NEW YORK CITY         |
| LYNCH, FRANCIS J. . . .                | '01 | NEW YORK CITY         |
| LYNCH, JOSEPH D. . . .                 | '05 | NEW YORK CITY         |
| LYONS, FRANCIS J. . . .                | '83 | BROOKLYN, N. Y.       |
| *LYONS, MICHAEL J. . . .               | '00 | FALL RIVER, MASS.     |
| LYONS, REV. JUSTIN J. . . .            | '00 | NEW YORK CITY         |
| McAVOY, FRANCIS S. . . .               | '81 | NEW YORK CITY         |
| McAVOY THOMAS F. . . .                 | '96 | NEW YORK CITY         |
| McAVOY, JOHN V. . . .                  | '97 | NEW YORK CITY         |
| McBRIDE, JOHN J. . . .                 | '01 | NEW YORK CITY         |
| *McCABE, REV. PATRICK H., M.A.         | '75 | HAVERSTRAW, N. Y.     |
| McCABE, JAMES J. . . .                 | '82 | GREENBRIDGE, N. Y.    |
| McCABE, EDWARD M., M.A., M.D.          | '84 | NEW HAVEN, CONN.      |
| McCABE, REV. MICHAEL J. . . .          | '89 | EDGEWOOD, R. I.       |
| McCAFFERTY, JOHN A., M.D. . .          | '95 | NEW YORK CITY         |
| *McCARTHY, REV. FRANCIS P. . .         | '83 | LEWISTON, PA.         |
| McCARTHY, REV. DANIEL J. . . .         | '90 | SHEEPSHEAD BAY, N. Y. |
| McCARTHY, TIMOTHY A. . . .             | '95 | NEW YORK CITY         |
| McCARTHY, THOMAS D. . . .              | '04 | NEW YORK CITY         |
| McCLANCY, VERY REV. J. P., M.A., LL.D. | '66 | MIDDLETOWN, N. Y.     |
| McCLOSKEY, M. JOSEPH . . .             | '95 | NEW YORK CITY         |
| McCLURE, DAVID B., M.A.                |     | Causa honoris         |
|                                        | '89 | NEW YORK CITY         |
| McCLUSKEY, REV. THOMAS J., S.J., M.A.  | '74 | NEW YORK CITY         |
| McCOOBERRY, JOSEPH F., M.A. . .        | '80 | JERSEY CITY, N. J.    |
| McCORMY, REV. PATRICK J., C.S.P., M.A. | '94 | CHICAGO, ILL.         |
| McCUSKER, JOHN J., M.S., M.D. . .      | '86 | PROVIDENCE, R. I.     |
| *McDONALD, REV. JOSEPH V., M.A.        | '87 | NEW YORK CITY         |
| McDONALD, JOSEPH R. . . .              | '97 | NEW YORK CITY         |

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| McDONNELL, JAMES S.                             | '96           | BUFFALO, N. Y.         |
| McDONOUGH, CHARLES J.                           | '92           | BUFFALO, N. Y.         |
| McDOWELL, JOHN E.                               | '98           | SYRACUSE, N. Y.        |
| McEVOY, REV. JOSEPH P.                          | '03           | NEW YORK CITY          |
| McFADDEN, GEORGE J.                             | '72           | BROOKLYN, N. Y.        |
| McGARE, REV. THOMAS F., M.A.                    | '74           | HAVERSTRAW, N. Y.      |
| McGINNIS, EUGENE F.                             | '96           | NEW YORK CITY          |
| McGOLDRICK, MICHAEL A., M.A.                    | Causa honoris |                        |
|                                                 | '80           | BROOKLYN, N. Y.        |
| McGOLDRICK, THOMAS A., M.A.,                    | M.D.          |                        |
|                                                 | '93           | BROOKLYN, N. Y.        |
| McGOLDRICK, EDWARD V., M.D.                     | '98           | BROOKLYN, N. Y.        |
| McGOLDRICK, PETER J.                            | '98           | BROOKLYN, N. Y.        |
| McGOLDRICK, LAWRENCE J.                         | '03           | BROOKLYN, N. Y.        |
| McGOLDRICK, VERY REV. EDWARD J., M.A.           |               |                        |
|                                                 | '77           | BROOKLYN, N. Y.        |
| *McGOVERN, TERENCE A.                           | '81           | NEW YORK CITY          |
| McGOVERN, REV. PETER P.                         | '90           | VALLEY STREAM, N. Y.   |
| McGOVERN, MATTHEW                               | '97           | NEW YORK CITY          |
| *McGOWAN, MICHAEL M., M.A.                      | '69           | NEW YORK CITY          |
| McGRATH, REV. THOMAS S.                         | '99           | NEW YORK CITY          |
| McGRATH, REV. JOSEPH A.                         | '99           | TRENTON, N. J.         |
| McGRAW, REV. JAMES P.                           | '97           | SYRACUSE, N. Y.        |
| *McGUINNESS, MICHAEL C., M.A.                   | '76           | SYRACUSE, N. Y.        |
| McKENNA, EDWARD F.                              | '83           | ALBANY, N. Y.          |
| McKENNA, JOHN B., M.A., M.D.                    | '84           | EAST PROVIDENCE, R. I. |
| McKENNA, CHARLES J.                             | '08           | BROOKLYN, N. Y.        |
| McKENNA, WM. J.                                 | '85           | FAR ROCKAWAY, N. Y.    |
| McKENNA, REV. JOSEPH D.                         | '98           | FLUSHING, N. Y.        |
| *McKEON, JOSEPH I., M.A.                        | '82           | NEW YORK CITY          |
| McLARNON, IRVING J., M.A.                       | '01           | NEW YORK CITY          |
| McLAUGHLIN, HUGH                                | '75           | WESTCHESTER, N. Y.     |
| McLAUGHLIN, REV. PATRICK D.                     | '94           | NEWBURGH, N. Y.        |
| McLAUGHLIN, REV. THOS. J.                       | '00           | NEW YORK CITY          |
| McLAUGHLIN, CHAS. B., M.A.                      | '04           | NEW YORK CITY          |
| *McLEAN, HENRY C., M.A., M.D.                   | '69           | BROOKLYN, N. Y.        |
| McMAHON, DANIEL F.                              | '09           | NEW YORK CITY          |
| *McMAHON, DENIS, M.A.                           | Causa honoris |                        |
|                                                 | '67           | NEW YORK CITY          |
| McMAHON, RIGHT REV. DENIS J., A.M., LL.D., D.D. |               |                        |
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| McMAHON, JOHN B., M.A., Ph.D.,                  | M.D.          |                        |
|                                                 | '73           | NEW YORK CITY          |

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|                                                | '80 | NEW YORK CITY        |
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| McMANUS, WM. T., M.A., M.D.                    |     | Causa honoris        |
|                                                | '93 | NEW YORK CITY        |
| McMANUS, PATRICK A., M.A.                      | '78 | NEW YORK CITY        |
| McMORROW, J. WALTER, M.S., C.E.                | '01 | NEW YORK CITY        |
| McMORROW, THOMAS J.                            | '05 | NEW YORK CITY        |
| McMULLIN, REV. CHARLES                         | '75 | NEW YORK CITY        |
| McMULLEN, JOHN R.                              | '86 | NEW YORK CITY        |
| McMURRAY, REV. FRANCIS J., M.A.                |     |                      |
|                                                | '92 | ROCKAWAY PARK, N. Y. |
| McNALLY, SIMON T., C.E.                        | '97 | NEW YORK CITY        |
| McNAMARA, CHARLES A., M.D.                     | '95 | NEW YORK CITY        |
| McNAMARA, EDWARD J., M.A.                      | '04 | BROOKLYN, N. Y.      |
| McNAMARA, REV. JAMES F.                        | '89 | NEW YORK CITY        |
| McNAMARA, REV. JAMES J.                        | '93 | NEW YORK CITY        |
| McNAMARA, SYLVESTER J., M.A., M.D.             |     |                      |
|                                                | '89 | BROOKLYN, N. Y.      |
| McNAMARA, SYLVESTER J., M.A.                   | '02 | BROOKLYN, N. Y.      |
| McNAMARA, THOMAS F.                            | '05 | HARRISON, N. Y.      |
| McNEELY, JAMES A.                              | '90 | BROOKLYN, N. Y.      |
| *MacOSCAR, THOMAS, M.A., M.D.                  | '68 | Causa honoris        |
| McPARLAN, THOMAS F., M.A., M.D.                |     |                      |
|                                                | '88 | NEW YORK CITY        |
| McPARLAN, EDWARD C.                            | '93 | NEW YORK CITY        |
| McPEAK, JAMES F., C.E.                         | '94 | NEW YORK CITY        |
| McPHILLIPS, MATTHEW F.                         | '04 | NEW YORK CITY        |
| McQUADE, JOHN J.                               | '98 | NEW YORK CITY        |
| McSHANE, EDWARD A.                             | '03 | NEW YORK CITY        |
| *McSORLEY, PETER A.                            | '70 | BROOKLYN, N. Y.      |
| McSORLEY, PATRICK F.                           | '00 | NEW YORK CITY        |
| MACDONA, HENRY D., M.A.                        |     | Causa honoris        |
|                                                | '79 | NEW YORK CITY        |
| MACK, SAMUEL J.                                | '84 | NEW YORK CITY        |
| MADDEN, HENRY A.                               | '89 | NEW YORK CITY        |
| MADDEN, FRANCIS M.                             | '90 | NEW YORK CITY        |
| MADDEN, REV. THOMAS N.                         | '93 | NEW YORK CITY        |
| MAGEE, JAMES P.                                | '02 | NEW YORK CITY        |
| *MAGINN, FRANCIS E.                            | '88 | NEW YORK CITY        |
| MAGRATH, REV. PHILIP J.                        | '00 | NEW YORK CITY        |
| MAGUIRE, RT. REV. MGR. FRANCIS J., M.A., LL.D. |     | Causa honoris        |
|                                                | '79 | ALBANY, N. Y.        |
| MAHER, AUGUSTINE F.                            | '90 | NEW HAVEN, CONN.     |

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 MAHER, STEPHEN J., M.A., M.D. Causa honoris  
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 MAHONEY, REV. DANIEL P., M.A.  
 '88 . JOHNSONVILLE, N. Y.  
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 MALANEY, THOMAS P. . . . '72 . NEW YORK CITY  
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 MEAHER, DENIS A., M.A. . . . '67 . PORTLAND, ME.  
 MEEGAN, REV. EDWARD J., S.T.B. '92 . PHILMONT, N. Y.  
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 '74 . BROOKLYN, N. Y.  
 MITCHELL, ARTHUR J., M.D. . . '92 . NEW YORK CITY  
 MITTY, REV. JOHN J., S.T.D. . . '01 . DUNWOODIE, N. Y.  
 MIVILLE, CHARLES B. . . . . '04 . NEW YORK CITY  
 MOLONY, FRANCIS T. . . . . '05 . NEW YORK CITY  
 MONAHAN, DAVID H., M.A. . . . '83 . BRIDGEPORT, CONN.  
 MONTAGUE, WM. A., M.A. . . . '95 . NEW YORK CITY  
 MOONEY, DANIEL J. . . . . '03 . NEW YORK CITY  
 MOONEY, REV. MICHAEL F. . . . '87 . GALWAY, N. Y.  
 MOORE, REV. FRANCIS P., LL.D. '80 . WAKEFIELD, N. Y.  
 MOORE, SAMUEL B., M.A., M.D. . '97 . NEW YORK CITY  
 MORRIS, REV. JOHN J., M.A. . . '83 . PORT JERVIS, N. Y.  
 MORRIS, EDWARD J., M.D. . . . '89 . BROOKLYN, N. Y.  
 MORRIS, JOHN T., Ph.D. Causa honoris  
 '91 . BALTIMORE, MD.



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| MORRISON, RICHARD J., M.A.         | '69           | NEW YORK CITY           |
| MULCAHY, CORNELIUS J.              | '98           | NEW YORK CITY           |
| MULLANY, REV. JOHN F., M.A.        | '76           | SYRACUSE, N. Y.         |
| MULLINS, DENIS P.                  | '89           | NEW YORK CITY           |
| MULROONEY, WALTER S.               | '09           | NEW YORK CITY           |
| MULVEY, JOHN M.                    | '09           | NEW YORK CITY           |
| MUNDELEIN, RIGHT REV. GEORGE W.    | '89           | BROOKLYN, N. Y.         |
| MURPHY, REV. EDMUND J.             | '95           | GREAT BARRINGTON, MASS. |
| *MURPHY, FELIX T., M.A.            | '74           | NEW YORK CITY           |
| MURPHY, JAMES E., M.A.             | '03           | DOVER, N. H.            |
| MURPHY, JOHN A., M.D.              | '94           | NEW HAVEN, CONN.        |
| MURPHY, JOHN J., C.E.              | '02           | YONKERS, N. Y.          |
| MURPHY, JOSEPH P., M.D.            | '91           | BROOKLYN, N. Y.         |
| *MURPHY, REV. MICHAEL J., M.A.     | '66           | ROCKAWAY, N. Y.         |
| MURPHY, REV. RICHARD D.            | '98           | WHITTINSVILLE, MASS.    |
| MURPHY, WALTER T.                  | '09           | NEW YORK CITY           |
| MURRAY, REV. MICHAEL J., M.A.      | '78           | RIVERDALE, N. Y.        |
| MURRAY, REV. LAWRENCE E., M.A.     | '83           | LAKE MAHOPAC, N. Y.     |
| MURRAY, HUGH A.                    | '87           | NEW YORK CITY           |
| MURRAY, PATRICK J., M.D.           | '92           | BROOKLYN, N. Y.         |
| MURRAY, REV. JOSEPH G.             | '96           | NEW YORK CITY           |
| MURRAY, RICHARD B.                 | '04           | KENSINGTON, N. Y.       |
| MUSGRAVE, C. J., M.A., M.D.        | '84           | NEW YORK CITY           |
| NAGLE, JOHN J.                     | '98           | NEW YORK CITY           |
| NAUGHTON, THOMAS S.                | '00           | OCEANIC, N. J.          |
| NEVILLE, REV. ERNEST P.            | '03           | CATSKILL, N. Y.         |
| NEVIN, JOHN J., M.A., M.D.         | '82           | JERSEY CITY, N. J.      |
| NEWMAN, GEORGE B.                  | '98           | NEW YORK CITY           |
| *NICHOLSON, JAMES F., M.A.         | '77           | TROY, N. Y.             |
| *NOLAN, JAMES M.                   | '92           | PATERSON, N. J.         |
| NOLAN, ROBERT C.                   | '02           | NEW YORK CITY           |
| *NOONAN, REV. JOHN A.              | '71           | NEW YORK CITY           |
| NORRIS, REV. JOSEPH I., M.A., D.D. | '97           | NEW YORK CITY           |
| NUGENT, JOSEPH A.                  | '84           | BENSONHURST, N. Y.      |
| OAKLEY, MARTIN A.                  | '02           | NEW YORK CITY           |
| O'BRIEN MICHAEL C., M.A., M.D.     | '78           | NEW YORK CITY           |
| O'BRIEN, EDMOND A., M.A.           | '79           | TROY, N. Y.             |
| O'BRIEN, JAMES W., LL.D.           | Causa honoris |                         |
|                                    | '92           | NEW YORK CITY           |
| O'BRIEN, JOHN E.                   | '95           | NEW YORK CITY           |
| O'BRIEN, JOHN F.                   | '07           | TROY, N. Y.             |

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| O'BRIEN, REV. THOMAS J., M.A.      | '88           | WHITESTONE, N. Y.      |
| O'CALLAGHAN, EDWARD A.             | '95           | PRINCE EDWARD ISLANDS  |
| O'CONNELL, PATRICK F.              | '84           | NEW YORK CITY          |
| O'CONNELL, RT. REV. D. J., LL.D.   | Causa honoris |                        |
|                                    | '04           | SAN FRANCISCO, CAL.    |
| O'CONNELL, TIMOTHY I.              | '06           | NEW YORK CITY          |
| O'CONNOR, RIGHT REV. JAS. P.       | '79           | ALBANY, N. Y.          |
| *O'CONNOR, REV. EDWARD F., M.A.    | Causa honoris |                        |
|                                    | '81           | CLAYVILLE, N. Y.       |
| O'CONNOR, CHARLES V., F.S.C., M.A. |               |                        |
|                                    | '81           | POCANTICO HILLS, N. Y. |
| O'CONNOR, THOMAS C.                | '85           | BUFFALO, N. Y.         |
| O'CONNOR, JAMES P.                 | '94           | NEW YORK CITY          |
| O'CONNOR, CHARLES G., M.D.         | '95           | BROOKLYN, N. Y.        |
| *O'CONNOR, ALOYSIUS G.             | '99           | NEW YORK CITY          |
| *O'CONNOR, GILBERT A.              | '03           | NEW YORK CITY          |
| O'DONNELL, JOHN A.                 | '07           | NEW YORK CITY          |
| O'DWYER, PAUL V.                   | '05           | NEW YORK CITY          |
| D'GORMAN, REV. DENIS F.            | '90           | GETHSEMANE, KY.        |
| D'GRADY, JOHN J.                   | '84           | ATHENS, N. Y.          |
| O'HAGAN, ROMUALD R.                | '05           | ASTORIA, L. I.         |
| O'HALLORAN, JOHN T.                | '09           | ROSEVILLE, N. J.       |
| O'HARE, FRANCIS A., C.E.           | '07           | NEW YORK CITY          |
| O'KEEFE, GEORGE J., M.A.           | '92           | BROOKLYN, N. Y.        |
| O'KEEFE, WILLIAM J.                | '96           | PLAINFIELD, N. J.      |
| O'LEARY, ARTHUR J., M.A., M.D.     | '87           | NEW YORK CITY          |
| O'LEARY, ARTHUR T., M.S.           | '04           | NEW YORK CITY          |
| *O'LEARY, CORNELIUS, M.A., M.D.    | Causa honoris |                        |
|                                    | '66           | NEW YORK CITY          |
| O'LEARY, CHARLES J., M.A.          | '89           | NEW YORK CITY          |
| O'LEARY, DANIEL I.                 | '07           | NEW YORK CITY          |
| *O'LEARY, THOMAS J., M.A.          | '84           | NEW YORK CITY          |
| O'MARA, THOMAS J., M.A., M.D.      | '92           | NEW YORK CITY          |
| O'MEARA, REV. PATRICK J., M.A.     | '76           | ROCKLAND Co., N. Y.    |
| *O'NEILL, REV. WILLIAM A.          | NEW YORK CITY |                        |
| O'NEIL, D. EDWIN, M.A., M.D.       | '68           | NEW YORK CITY          |
| O'NEIL, REV. DANIEL A.             | '92           | TROY, N. H.            |
| O'NEILL, FRANCIS J., M.A.          | '75           | AURORA, ILL.           |
| O'NEILL, REV. DENIS P., M.A.       | '78           | NEW YORK CITY          |
| *O'NEILL, REV. FRANCIS X.          | '94           | MANCHESTER, N. H.      |
| O'REILLY, GEORGE M.                | '98           | NEW YORK CITY          |
| O'REILLY, REV. JAMES J.            | '00           | PAWTUCKET, R. I.       |
| O'REILLY, REV. THOMAS J., M.A.     | '77           | COLUMBUS, OHIO         |



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QUINN, PETER J. . . . . '87 . PAWTUCKET, R. I.  
QUINN, REV. DANIEL A. . . . '91 . NEW YORK CITY  
QUINN, WILLIAM V., M.D. . . . '97 . UTICA, N. Y.  
QUINN, REV. DAVID I. . . . . '99 . PROVIDENCE, R. I.  
RADFORD, HENRY V., M.S., C.E. '01 . NEW YORK CITY  
RAFFERTY, PETER P., M.D. . . . '94 . RED BANK, N. J.  
REGAN, PETER A. . . . . '05 . YONKERS, N. Y.

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| *REILLY, CHARLES B.              | '89           | PROVIDENCE, R. I.    |
| REILLY, JOHN, M.A.               | Causa honoris |                      |
|                                  | '93           | NEW YORK CITY        |
| RENAHAN, EDWARD J.               | '86           | YONKERS, N. Y.       |
| RENGEL, REV. EDWARD J., S.T.B.   | '88           | ELLICOTTVILLE, N. Y. |
| RICHARDSON, HOWARD W.            | '06           | SHROON LAKE, N. Y.   |
| *RIGNEY, REV. JAMES C., M.A.     | '76           | NEW YORK CITY        |
| RIORDAN, DANIEL J.               | '90           | NEW YORK CITY        |
| RIORDAN, JAMES J.                | '02           | NEW YORK CITY        |
| *ROBINSON, CHARLES T., M.D.      | '92           | NEW YORK CITY        |
| ROCHE, REV. ANDREW T.            | '93           | NEW YORK CITY        |
| ROCHE, DAVID P.                  | '98           | NEW YORK CITY        |
| ROCHE, EDWARD F., M.A.           | '01           | NEW YORK CITY        |
| *ROCHE, NICHOLAS J.              | '84           | NEW YORK CITY        |
| ROCHE, WM. J., M.A.              | Causa honoris |                      |
|                                  | '76           | TROY, N. Y.          |
| ROCHE, WILLIAM J.                | '99           | NEW YORK CITY        |
| *RODGERS, DOMINIC                | '83           | PHILADELPHIA, PA.    |
| RONAN, JOSEPH F.                 | '86           | NEW YORK CITY        |
| RONAYNE, REV. PATRICK T.         | '85           | STATEN ISLAND, N. Y. |
| RONAYNE, JOHN A., M.D.           | '93           | ASTORIA, N. Y.       |
| ROWAN, JOHN P., M.D.             | '95           | BROOKLYN, N. Y.      |
| *RUHL, ANTHONY G.                | '95           | NEW YORK CITY        |
| RYBACK, VICTOR E.                | '94           | NEW YORK CITY        |
| RYAN, EDMOND A.                  | '09           | NEW YORK CITY        |
| RYAN, JOHN H., M.A.              | '86           | NEW YORK CITY        |
| RYAN, MOST REV. P. J., LL.D.     | Causa honoris |                      |
|                                  | '66           | PHILADELPHIA, PA.    |
| RYAN, WILLIAM A.                 | '03           | UTICA, N. Y.         |
| SAIZAN, JOSEPH P., M.A., M.D.    | '86           | OPELOUSAS, LA.       |
| SALTER, REV. JOHN B., M.A.       | '69           | SPRING VALLEY, N. Y. |
| SANDER, REV. GEORGE D., M.A.     | '84           | BROOKLYN, N. Y.      |
| SAPHORE, EDWARD E.               | '03           | NEW YORK CITY        |
| SCHLEUTER, FRÉDERICK P.          | '02           | NEW YORK CITY        |
| SCOTT, REV. PATRICK J.           | '92           | WILTON, N. H.        |
| SEYMOUR, FIELDING A., M.S., C.E. | '94           | NEW YORK CITY        |
| *SHALLEW, WILLIAM J.             | '93           | YONKERS, N. Y.       |
| *SHANDLEY, THOMAS B.             | '83           | NEW YORK CITY        |
| *SHANDLEY, EDWARD F.             | '88           | NEW YORK CITY        |
| SHAW, JAMES J.                   | '83           | WHITE PLAINS, N. Y.  |
| *SHEA, DENIS L., M.A., M.D.      | '87           | NEW YORK CITY        |
| SHEA, JOHN J., M.D.              | '93           | NEW YORK CITY        |
| SHEA, MICHAEL F.                 | '98           | MANCHESTER, N. H.    |

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| SHEA, ROBERT J. . . . .                             | '09 | NEW YORK CITY           |
| SHEEHAN, WILLIAM J. M.D. . . . .                    | '92 | NEW HAVEN, CONN.        |
| SHEEHAN, ROBERT F., M.S., M.D. Causa honoris        |     |                         |
|                                                     | '06 | BUFFALO, N. Y.          |
| SHEIL, PETER A. . . . .                             | '96 | WILLIAMSBIDGE, N. Y.    |
| SHEIL, JAMES J. . . . .                             | '97 | NEW YORK CITY           |
| SHERIDAN, FRANCIS J., M.A. . . . .                  | '75 | KINGSBRIDGE, N. Y.      |
| *SHERIDAN, REV. PATRICK F., M.A. Causa honoris      |     |                         |
|                                                     | '81 | LONG ISLAND CITY, N. Y. |
| SHERIDAN, PETER P., C.E. . . . .                    | '03 | NEW YORK CITY           |
| SHIELDS, REV. THOMAS E., Ph.D., LL.D. Causa honoris |     |                         |
|                                                     | '08 | WASHINGTON, D. C.       |
| SIMS, ALFRED F., M.S. Causa honoris                 |     |                         |
|                                                     | '02 | ALBANY, N. Y.           |
| SINNOTT, PHILIP J., M.A. . . . .                    | '89 | NEW YORK CITY           |
| SINNOTT, REV. EDWARD M. . . . .                     | '01 | NEW YORK CITY           |
| SKELLY, LAWRENCE P., M.D. . . . .                   | '88 | SUSQUEHANNA, PA.        |
| SLATTERY, REV. JOHN T., M.A. . . . .                | '86 | WATERVLIET, N. Y.       |
| SLEVIN, WILLIAM E. . . . .                          | '01 | NEW YORK CITY           |
| *SMITH, JOHN N. . . . .                             | '75 | NEW YORK CITY           |
| SMITH, JAMES B. F., M.A. . . . .                    | '77 | NEW YORK CITY           |
| SMITH, J. SHERRY, M.A. . . . .                      | '78 | CATSKILL, N. Y.         |
| *SMITH, THOMAS W., M.A. . . . .                     | '82 | NEW YORK CITY           |
| *SMITH, JOHN R., M.A. . . . .                       | '79 | NEW YORK CITY           |
| SMITH, GEORGE B. . . . .                            | '84 | NEW YORK CITY           |
| *SMITH, REV. DENIS E. . . . .                       | '85 | COHOES, N. Y.           |
| SOUTHERN, WILFRED G. . . . .                        | '00 | NEW YORK CITY           |
| STACK, JAMES F. . . . .                             | '97 | BROOKLYN, N. Y.         |
| STAPLETON, LUKE D., M.A. Causa honoris              |     |                         |
|                                                     | '89 | BROOKLYN, N. Y.         |
| *STAUD, REV. JOHN E. . . . .                        | '79 | NEW YORK CITY           |
| STEERS, THOMAS H., M.A., M.D. . . . .               | '76 | NEW YORK CITY           |
| STEHLE, FELIX C., C.E. . . . .                      | '92 | NEW YORK CITY           |
| STEPATH, CHARLES U., M.S., C.E. . . . .             | '98 | NEW YORK CITY           |
| STERNS, WILLIAM S. . . . .                          | '95 | NEW YORK CITY           |
| STERNS, EDWARD P. . . . .                           | '97 | NEW YORK CITY           |
| STOKES, JOHN C. . . . .                             | '98 | NEW YORK CITY           |
| STRENSKI, REV. EMIL F. . . . .                      | '04 | JAMAICA, L. I.          |
| SUAREZ, PATRICK A., C.E. . . . .                    | '04 | SANTIAGO, CUBA          |
| *SULLIVAN, DANIEL F. . . . .                        | '76 | NEW YORK CITY           |
| SULLIVAN, REV. WILLIAM F. . . . .                   | '85 | SANDWICH, MASS.         |
| SULLIVAN, REV. JOHN F. . . . .                      | '86 | PROVIDENCE, R. I.       |
| SULLIVAN, JOSEPH F. . . . .                         | '00 | BROOKLYN, N. Y.         |
| SULLIVAN, JEREMIAH F., M.A. . . . .                 | '01 | BROOKLYN, N. Y.         |

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|---------------------------------|---------------|---------------------|
| SULLIVAN, R. P., M.A., M.D.     | '03           | BROOKLYN, N. Y.     |
| TALTY, FRANCIS E.               | '91           | BUTTONWOOD, R. I.   |
| *TAYLOR, PHILIP R., M.A.        | '71           | ST. LOUIS, Mo.      |
| TEWEY, JOHN F.                  | '09           | IRVINGTON, N. Y.    |
| *THEBAN, WILLIAM H., M.D.       | '91           | NEW YORK CITY       |
| THORNTON, REV. THOMAS A.        | '84           | NEW YORK CITY       |
| THORNTON, MICHAEL J., M.D.      | '97           | NEW YORK CITY       |
| TIERNEY, JOSEPH L.              | '98           | NEW YORK CITY       |
| TIMON, JAMES E.                 | '04           | BROOKLYN, N. Y.     |
| *TOBIN, MICHAEL F.              | '92           | NEW YORK CITY       |
| *TONE, FREDERICK A.             | '82           | NEW YORK CITY       |
| TORPEY, REV. WALTER J.          | '83           | WHITEHALL, N. Y.    |
| TULLY, REV. JOHN F., M.A.       | '83           | CRANSTON, R. I.     |
| VALLELY, WILLIAM P., C.E.       | '03           | NEW YORK CITY       |
| VICTORY, VINCENT                | '89           | NEW YORK CITY       |
| VILLANYI, EMIL J.               | '92           | NEW YORK CITY       |
| *WALSH, FRANCIS M.              | '75           | NEW YORK CITY       |
| *WALSH, JAMES J., M.A.          | '78           | NEW YORK CITY       |
| *WALSH, THOMAS C.               | '79           | NEW YORK CITY       |
| *WALSH, REV. MICHAEL            | '89           | NEW YORK CITY       |
| WALSH, PETER D.                 | '89           | BOSTON, MASS.       |
| *WALSH, JOHN J., M.A.           | '89           | BOSTON, MASS.       |
| WALSH, MICHAEL P., Ph.D.        | '90           | NEW YORK CITY       |
| WALSH, THOMAS F.                | '94           | NEW YORK CITY       |
| WALSH, JAMES J., M.D.           | '96           | WESTCHESTER, N. Y.  |
| WALSH, REV. PATRICK E.          | '99           | MANCHESTER, N. H.   |
| WALSH, ROBERT J.                | '01           | NEW YORK CITY       |
| WALSH, REV. MICHAEL A.          | '05           | NEW YORK CITY       |
| WARD, WILLIAM J.                | '96           | BROOKLYN, N. Y.     |
| *WARD, JOHN H., M.S.            | '97           | ALBANY, N. Y.       |
| WATERS, REV. JOHN A., M.A.      | '77           | PORTCHESTER, N. Y.  |
| WEINBERG, EDWARD F.             | '06           | NEW YORK CITY       |
| WELCH, JOSEPH T.                | '87           | WASHINGTON, D. C.   |
| *WENZEL, REV. PAUL A., M.A.     | Causa honoris |                     |
|                                 | '82           | SOUTH ORANGE, N. J. |
| *WERNER, JOHN P.                | '97           | NEW YORK CITY       |
| WHALEN, JOHN, M.A., LL.D.       | Causa honoris |                     |
|                                 | '98           | NEW YORK CITY       |
| *WHELAN, WILLIAM A.             | '83           | WATERVLIET, N. Y.   |
| WHELAN, WILLIAM J.              | '94           | NEW YORK CITY       |
| WHITE, PETER P.                 | '79           | CLIFFSIDE, N. J.    |
| WHITMORE, BENJAMIN, M.D., LL.D. | Causa honoris |                     |
|                                 | '98           | NEW YORK CITY       |

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|----------------------------------|---|-----|---|-------------------|
| WHITNEY, THOMAS B., C.E.         | . | '97 | . | NEW YORK CITY     |
| WILDE, WILLIAM E.                | . | '87 | . | NEW YORK CITY     |
| *WILFORD, THOMAS F., M.A.        |   |     |   | Causa honoris     |
|                                  |   | '82 | . | NEW YORK CITY     |
| WILKES, ROBERT W., M.A.          | . | '02 | . | YONKERS, N. Y.    |
| WILLIAMS, ROSWELL D.             | . | '96 | . | NEW YORK CITY     |
| WOODMAN, REV. CLARENCE E., Ph.D. |   |     |   | Causa honoris     |
|                                  |   | '83 | . | NEW YORK CITY     |
| YOUNG, JOSEPH A.                 | . | '93 | . | BROOKLYN, N. Y.   |
| YORK, REV. JOHN B., M.A.         | . | '84 | . | HUNTINGTON, L. I. |





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THE HIGH SCHOOL

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## THE HIGH SCHOOL.

The aim of the High School is to prepare for entrance to the College. The studies conform to the "Syllabus for Secondary Schools" of the New York State Education Department.

The requirements for admission are the preliminary studies prescribed by the Department. The most favorable time for entrance is at the beginning of the scholastic year. The regular examinations for admission take place on the second Monday in September. Students will, however, be received at any time during the year, but not for a period shorter than five months.

The classes are frequently examined, and students are not allowed to pass from one subject to another until they have given evidence of adequate knowledge of the subject. A student who shows by the results of the examinations that he is unable to keep up with his class will be placed in a lower grade.

The Inspector examines weekly the record of every pupil and comments upon it before the Professors and students of the class.

Summarized reports of the examinations are forwarded to the parents at the end of each term.

Since each report shows the exact standing of the student, it should be carefully examined by his parent or guardian.

Percentages are estimated as follows: From 90 to 100, excellent; from 80 to 90, very good; from 70 to 80, satisfactory; under 70, unsatisfactory.

Promotions are based on the joint results of the several examinations and the daily marks. No student will be allowed to pass from one class to another unless he has given satisfactory proof of his ability to follow the higher class. Promotions are generally made at the end of the scholastic year, but a student may be promoted at other times, provided his work shows fitness therefor.

Students who fail in the final examination may present themselves for further examination at the opening of the next term.

At least three hours a day should be given to the preparation of class work.

The active co-operation of parents with the Faculty is essential to the progress of the student. Parents are therefore requested to insist upon regular attendance and careful preparation of class work.

Students are expected to act at all times as gentlemen. No one will be retained who is insubordinate or whose society may prove undesirable.

Punctuality at all sessions and recitations is required.

A written excuse from parents or guardian is required in all cases of absence. This excuse will not be accepted in lieu of omitted class work.

Wednesday and Saturday afternoons are the regular weekly half-holidays.

Students who live in the College may not leave the grounds without authorization.

## COURSE OF STUDIES.

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### FIRST YEAR.

ENGLISH. *Grammar* (3)—

C. B. *Principles of English Grammar.*

*Composition* (1)—

*Literature* (1)—

Lowell, *The Vision of Sir Launfaul.*

Scott, *Ivanhoe.*

Irving, *Sketch Book.*

Browning, *The Pied Piper and Short Poems.*

HISTORY. *Ancient* (3)—Wolfson, *Essentials in Ancient History.*

MATHEMATICS. *Algebra* (5)—First XVIII. chapters.

Wentworth, *Elementary Algebra.*

*Arithmetic* (4)—Review of pre-Academic Course.

Christian Brothers, *Complete Arithmetic.*

FRENCH. *Grammar* (5)

François, *Beginner's French.*

Guerber, *Contes et Legendes, Part I.*

SCIENCE. *Physical Geography* (5)

DRAWING. *Linear* (1)—Book I. Begun.

Christian Brothers, *Elementary Course.*

ELOCUTION. (1)

CHRISTIAN DOCTRINE (2)—First ten lessons.

Kinhead, *Catechism, No. 3.*

## SECOND YEAR.

### FIRST TERM.

- ENGLISH. *Composition* (2)—Elements.  
Gardiner, Kittredge, and Arnold, *The Mother Tongue*.  
*Literature* (2).  
*The Sir Roger de Coverley Papers* in the "Spectator."  
Shakespeare, *As You Like It*.
- HISTORY. *Medieval and Modern European* (5).  
Harding, *Essentials in Medieval and Modern European History*.
- MATHEMATICS.  
*Geometry* (3)—Books I. and II.  
Wentworth, *Plane Geometry*.  
*Algebra* (2)—Chapters XVIII. to XXII.  
Wentworth, *Elementary Algebra*.
- FRENCH. *Grammar and Literature* (4).  
François, *Beginner's French*; Daudet, *Trois Contes choisis*; Labiche et Martin, *La Poudre aux Yeux*; Mairet, *La Tâche du Petit Pierre*.
- GERMAN. *Grammar and Literature* (4).  
Spanhooft, *Lehrbuch der deutschen Sprache*.  
Guerber, *Märchen und Erzählungen*, Part I.
- SCIENCE. *Biology* (5).
- DRAWING. *Linear* (1). Second part of Book I.  
Christian Brothers, *Elementary Course*.
- ELOCUTION (1)
- CHRISTIAN DOCTRINE (2)—Lessons X. to XXI.  
Kinkead, *Catechism*, No. 3.



## SECOND TERM.

ENGLISH. *Composition* (2)—Elements.

Gardiner, Kittredge, and Arnold, *The Mother Tongue*.

*Literature* (2)—George Eliot, *Silas Marner*.

Goldsmith, *The Deserted Village*.

MATHEMATICS.

*Geometry* (4)—Books III., IV., and V.

Wentworth, *Plane Geometry*.

HISTORY.

(5)

FRENCH.

(4)

GERMAN.

(4)

DRAWING.

(1)

ELOCUTION.

(1)

CHRISTIAN DOCTRINE.

(2)

} See First Term.

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## THIRD YEAR.

### FIRST TERM.

ENGLISH. *Rhetoric* (2)—The Forms of Discourse.

Gardiner, Kittredge, and Arnold, *The Mother Tongue*.

*Literature* (2)—Ruskin, *Sesame and Lilies*; Shakespeare, *Julius Cæsar*.

HISTORY. *English* (3).

Montgomery, *Leading Facts of English History*.

MATHEMATICS.

*Geometry* (4)—Solid.

Wentworth, *Plane and Solid Geometry*.

FRENCH. *Literature* (4)—Halévy, *L'Abbé Constantin*; Racine, *Esther*; Enault, *Le Chien du Capitaine*; Molière, *Le Bourgeois Gentilhomme*.

GERMAN. *Literature* (4)—Anderson, *Bilderbuch ohne Bilder*; Zschokke, *Der Zerbrochene Krug*; Hillern, *Höher als die Kirche*; Benedix, *Der Prozesz*.  
Oral and written exercises based on the text read.

DRAWING. *Linear* (2)—Book II. Begun.  
Christian Brothers, *Elementary Course*.

PHYSICS *Lectures and Recitations* (4).  
*Laboratory* (1). (Double Period.)  
Millikan and Gale, *First Course in Physics*.

ELOCUTION (1).

CHRISTIAN DOCTRINE (3)—Lessons XXI. to XXX.  
Kinkead, *Catechism*, No. 3.

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## SECOND TERM.

ENGLISH. *Composition and Rhetoric* (2)—The forms of Discourse.  
Gardiner, Kittredge, and Arnold, *The Mother Tongue*.  
*Literature* (2)—Review of books read in preceding term.

MATHEMATICS. *Intermediate Algebra* (4).

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|---------------------|-----|-------------------|
| CHRISTIAN DOCTRINE. | (2) | } See First Term. |
| ELOCUTION.          | (1) |                   |
| PHYSICS.            | (5) |                   |
| DRAWING.            | (1) |                   |
| GERMAN.             | (4) |                   |
| FRENCH.             | (4) |                   |
| HISTORY.            | (4) |                   |

## FOURTH YEAR.

### FIRST TERM.

- ENGLISH. *Literature* (2)—Burke, *Speech on Conciliation with America*; Webster, *First Bunker Hill Oration*; Milton, *Minor Poems*.  
*Composition and Rhetoric* (2)—Paragraphs, Sentences, and Words. Gardiner, Kittredge, and Arnold, *The Mother Tongue*.
- HISTORY. *American and Civil Government* (4).  
Montgomery, *Students' American History*.
- MATHEMATICS.  
*Plane and Spherical Trigonometry* (3).  
Wentworth, *Plane and Spherical Trigonometry*.
- FRENCH. *Composition and Literature* (4)—François, *Introductory Prose Composition*; Racine, *Athalie*; Bernardin de Saint Pierre, *Paul et Virginie*; Molière, *L'Avare*; Muller, *Le Grandes Découvertes Modernes*; Corneille, *Le Cid*.
- GERMAN. *Literature* (4)—Riehl, *Der Fluch der Schönheit*; Freytag, *Die Journalisten*; Schiller, *Wilhelm Tell*; Selections from Hatfield's *German Lyrics and Ballads*.
- DRAWING. *Linear* (2)—Book II. (Finished.)  
Christian Brothers, *Elementary Course*.
- ELOCUTION (1).
- CHEMISTRY.  
*Lectures and Recitations* (5).  
*Laboratory* (1). (Double Period.)  
Newell, *Descriptive Chemistry*.
- CHRISTIAN DOCTRINE (2)—Lessons XXX. to XXXVII.  
Kinkead, *Catechism*, No. 3.

## SECOND TERM.

ENGLISH. *Literature* (2)—Carlyle, *Essay on Burns*; Shakespeare, *Macbeth*.  
*Composition and Rhetoric* (2)—Paragraphs, Sentences, and Words.  
 Gardiner, Kittredge, and Arnold, *The Mother Tongue*.

### MATHEMATICS.

*Advanced Algebra* (3).  
 Hawkes, *Advanced Algebra*.

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|---------------------|-----|-------------------|
| HISTORY.            | (4) | } See First Term. |
| FRENCH.             | (4) |                   |
| GERMAN.             | (4) |                   |
| DRAWING.            | (2) |                   |
| CHEMISTRY.          | (5) |                   |
| ELOCUTION.          | (1) |                   |
| CHRISTIAN DOCTRINE. | (2) |                   |

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THE SCHOOL OF COMMERCE

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## THE SCHOOL OF COMMERCE.

Students who desire to prepare for mercantile life, will find every facility in the Commercial Department. This department does not limit itself to purely business branches. Subjects of general culture are also included.

English composition and letter-writing receive special attention. The student is required to treat prescribed subjects in a manner that will enable him to write with ease and elegance. Questions relating to political economy and commercial law are discussed in the class-room in order to give the student correct ideas on the vital questions of daily life. Weekly lessons are given in the art of public speaking, in order that the student may acquire an easy and graceful delivery.

The mathematics taught include a complete course of commercial arithmetic and an elementary course of algebra and geometry.

The students receive a thorough course in standard business methods and in the science of accounts.

Shorthand and typewriting are essential to the course, and ample opportunity is afforded for practice in these branches of office work.

The rules governing the School of Commerce are similar to those of the High School.

Students who complete the course receive a Certificate as a guarantee of their fitness for mercantile employment.

### PRIZES AND MEDALS.

The Brother Charles Memorial Medal, founded by the Commercial Alumni Society, is awarded to the student who has the highest record for general proficiency.

The Kean Medal for religious instruction, donated by the Rev. John J. Kean, LL.D., '66, is open to all students of the School of Commerce.

The Pommerer Medal donated by William C. Pommerer, M. A., '91, is awarded to the student who has the highest record for shorthand and typewriting.

## COURSE OF STUDIES.

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### FIRST YEAR.

|                     |     |                                                  |
|---------------------|-----|--------------------------------------------------|
| CHRISTIAN DOCTRINE. | (2) | } See Course of Studies High School, First Year. |
| ELOCUTION.          | (1) |                                                  |
| DRAWING.            | (1) |                                                  |
| MATHEMATICS.        | (6) |                                                  |
| HISTORY.            | (5) |                                                  |
| ENGLISH.            | (5) |                                                  |

BOOKKEEPING (3)—Business Transactions. Drills in preparing business papers. Use of Cash Book, Sales Book, Journal, Ledger. Statements.

PENMANSHIP (2)—To acquire a plain legible business hand.

SPANISH (3)—Grammar.

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### SECOND YEAR.

#### FIRST TERM.

|           |     |                                                               |
|-----------|-----|---------------------------------------------------------------|
| ENGLISH.  | (4) | } See Course of Studies High School, Second Year, First Term. |
| HISTORY.  | (5) |                                                               |
| DRAWING.  | (1) |                                                               |
| RELIGION. | (2) |                                                               |

**SPANISH (4)**—Elementary Composition.

Alarcon, *El Capitan Veneno*; Goldos, *Doña Perfecta*; Marianela; Valera, *El Pájaro Verde*; Cervantes, *Don Quijôte*.

**COMMERCIAL ARITHMETIC (5)**—Mental exercises, use of labor-saving methods, adaptation of text-book problems to those of actual business.

**STUDY OF COMMERCIAL PRODUCTS (2)**—Raw materials of Commerce, manufactures, finished products, transportation, means of communication, means of trade, centers of production.

**BOOKKEEPING (5)**—Wholesale, Retail, jobbing, commission, manufacturing business. Drills in preceding work.

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## SECOND YEAR.

### SECOND TERM.

|           |     |                                                                |
|-----------|-----|----------------------------------------------------------------|
| ENGLISH.  | (4) | } See Course of Studies High School, Second Year, Second Term. |
| HISTORY.  | (5) |                                                                |
| DRAWING.  | (1) |                                                                |
| RELIGION. | (2) |                                                                |

**COMMERCIAL GEOGRAPHY (5)**—The countries of the world; locations, boundaries, climate, rivers, chief commercial cities, productions, markets, etc.

**TYPEWRITING (5).**

**SPANISH (5)**—See First Term.

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## THIRD YEAR.

### FIRST TERM.

**ENGLISH (5)**—History of English Literature. Commercial correspondence.

HISTORY (5)—American. See High School Course, Fourth Year.

PHYSICS (4)—See High School Course, Third Year.

BOOKKEEPING AND BUSINESS PRACTICE (5).

Joint Stock companies, partnerships and corporations; opening and closing such accounts. Drill on preceding work.

SPANISH (4)—Valdes, *José*; Calderon, *La Vida es Sueño*; Larra, *Partir á tiempo*.

Business forms and commercial correspondence.

PLANE GEOMETRY (3)—See High School Course, Third Year, First Term.

RELIGION (2)—Dogma. See Courses of Study, No. 129, Christian Brothers, *Manual of Christian Doctrine*.

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### THIRD YEAR.

#### SECOND TERM.

PLANE GEOMETRY (5)—See High School Course, Second Year, Second Term.

PHYSICS (4)—See High School Course, Second Year, Second Term.

COMMERCIAL LAW (4)—Contracts, bills and notes, agency, partnership, corporations, mortgages, common carrier, etc.

POLITICAL ECONOMY (2)—Principles of economics, production, exchange, distribution. Topics of the day.

SPANISH (4)—See First Term.

SHORTHAND AND TYPEWRITING (5).

RELIGION (2)—See First Term.

## FOURTH YEAR.

### FIRST TERM.

ENGLISH (5)—Literature, themes, and parliamentary law and practice.

HISTORY (5)—Of Commerce.

SHORTHAND AND TYPEWRITING (5)—Advanced work.

CHEMISTRY (5)—See High School Course, Fourth Year.

BANKING AND FINANCE (5).

RELIGION (2)—Moral. See Course of Study, No. 130.  
Christian Brothers, *Manual of Christian Doctrine*.

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## FOURTH YEAR.

### SECOND TERM.

ENGLISH (5)—Literature, themes and parliamentary law and practice.

CIVIL GOVERNMENT (5)—Local, state, and national; Co-ordination with history already studied.

SHORTHAND AND TYPEWRITING (5)—Advanced work.

CHEMISTRY (5)—See High School Course, Fourth Year.

ACCOUNTING, ORGANIZATION, AND AUDITING (5).

or

ADVANCED COMMERCIAL ARITHMETIC (5).

RELIGION (2)—See First Term.

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| SARDI, LUCIAN A. . . . .          | '06 . | FORT LEE, N. J.    |
| SCHALL, XAVIER . . . . .          | '71 . | PHILADELPHIA, PA.  |
| SCOTT, JAMES J. . . . .           | '71 . | NEWARK, N. J.      |
| SCOTT, JOHN J. . . . .            | '79 . | COHOES, N. Y.      |
| SHANKEY, JOHN J. . . . .          | '75 . | HAVERSTRAW, N. Y.  |
| SHEA, CORNELIUS E. . . . .        | '88 . | NEW YORK CITY      |
| SHEEHAN, EDWARD A. . . . .        | '87 . | NEW HAVEN, CONN.   |
| *SHERIDAN, PHILIP H. . . . .      | '84 . | ELIZABETH, N. J.   |
| SMITH, JAMES T. . . . .           | '84 . | NEWARK, N. J.      |
| SMITH, OWEN A. . . . .            | '09 . | NEW YORK CITY      |
| SMITH, RICHARD J. . . . .         | '95 . | NEW YORK CITY      |
| STACK, JOSEPH F. . . . .          | '08 . | TROY, N. Y.        |
| SMYTH, JAMES A. . . . .           | '08 . | NEW YORK CITY      |
| STEINAU, HENRY C. . . . .         | '03 . | NEW YORK CITY      |
| SUAREZ, ANTONIO M. . . . .        | '90 . | HAVANA, CUBA       |
| SULLIVAN, DANIEL J. . . . .       | '04 . | NEW YORK CITY      |
| SULLIVAN, WALTER F. . . . .       | '09 . | NEW YORK CITY      |
| TRAINOR, PETER F. . . . .         | '02 . | NEW YORK CITY      |
| VANVALKENBURGH, GEORGE B. . . . . | '90 . | LEXINGTON, KY.     |
| VINCENT, ARSENE P. . . . .        | '90 . | VERSAILLES, FRANCE |
| VINDOSOLA, JOSE V. . . . .        | '78 . | HAVANA, CUBA       |
| *WALLACE, JAMES A. . . . .        | '79 . | ALBANY, N. Y.      |
| WALSH, CHARLES H. . . . .         | '02 . | NEW YORK CITY      |
| WALSH, JAMES E. . . . .           | '06 . | NEW YORK CITY      |
| WALSH, MILTON C. . . . .          | '99 . | NEW YORK CITY      |
| WARD, JOHN E. . . . .             | '91 . | YONKERS, N. Y.     |
| WATERS, GEORGE W. . . . .         | '84 . | NEW YORK CITY      |
| *WATTERS, FRANCIS D. . . . .      | '78 . | ROCHESTER, PA.     |
| WEIS, FREDERICK J. . . . .        | '86 . | WATERBURY, CONN.   |
| WELCH, EDWARD F. . . . .          | '93 . | PORTSMOUTH, N. H.  |
| WESTON, JOHN J. . . . .           | '91 . | NEW YORK CITY      |
| WHITE, FRANCIS P. . . . .         | '77 . | HAVANA, CUBA       |
| WILLARD, WALTER J. . . . .        | '86 . | WASHINGTON, D. C.  |
| WYNN, GEORGE H. . . . .           | '97 . | NEW YORK CITY      |
| YTURIE, EMANUEL . . . . .         | '76 . | NEW YORK CITY      |

## COLLEGE SOCIETIES.

### THE APOSTLESHIP OF PRAYER.

This Society is established among the students for the purpose of fostering piety and of acquiring more thoroughly the spirit of Christianity.

---

### MANHATTAN COLLEGE ALUMNI SOCIETY.

The object of the Society is to keep alive among the Alumni a sentiment of affection for their Alma Mater, and to unite the graduates of successive years by a common tie of fellowship.

Regular meetings are held on Commencement day, after the graduating exercises, and on or about the 22d of February.

There are three reunions of the Society each year: at the Alumni dinner, at the Memorial Mass on Decoration day, and at the reception of the newly graduated class on Commencement day.

---

### MANHATTAN COMMERCIAL ALUMNI SOCIETY.

The Manhattan Commercial Alumni Association was organized September 5, 1901. Two meetings are held yearly.

---

### DE LA SALLE LITERARY SOCIETY.

This Society is confined to the students of the Senior year. The end proposed is the free discussion of questions pertaining to Philosophy, which have been suggested, but not fully treated in the class-room. The Professor of Philosophy acts as Moderator.

---

### NEWMAN LITERARY SOCIETY.

The members of the Junior Class form this Society. The exercises, consisting of original essays and debates on literary or other subjects, are held weekly. The Professor of English Literature acts as Moderator.

### HUGHES LITERARY SOCIETY.

This Society consists of the students of the Sophomore year. Meetings are held at least twice a month, the principal exercises of which are debates on historical and scientific subjects, and on questions of the day, as well as essays on various topics. The senior Professor of the class acts as Honorary President.

---

### MCCLOSKEY LITERARY SOCIETY.

This Society, composed of the members of the Freshman Class, holds its regular meeting on Friday afternoon. The exercises consist principally of debates on various subjects to train the students to fluency of speech and readiness in argument.

---

### CORRIGAN LITERARY SOCIETY.

The students of the Fourth Year High School have formed themselves into a literary society, which they have named after the late Archbishop of New York. They hold regular monthly meetings, and sometimes class exercises, to which the College students are invited.

---

### THE FARLEY DEBATING SOCIETY.

This Society is composed of the Senior students of the Commercial Department. Weekly meetings are held at which subjects pertaining to business and commerce are discussed. The study of parliamentary law is insisted on and great stress is laid on oral composition. Debates and literary exercises alternate at the weekly meetings. The Principal of the Department acts as Moderator.

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# Manhattan College

New York City

## Catalogue

1911 = 1912



*It's the best - and the*

*Best - and the*

*The most - and the*



UNIVERSITY OF THE STATE OF NEW YORK

---

# Manhattan College

BROADWAY AND 131<sup>ST</sup> STREET  
NEW YORK

---

CONDUCTED BY  
THE BROTHERS OF THE CHRISTIAN SCHOOLS

1911-'12

## OFFICERS OF THE COLLEGE

---

BROTHER GIRARDUS  
CHAIRMAN OF BOARD OF TRUSTEES

BROTHER JEROME  
PRESIDENT

BROTHER AUGUST  
REGISTRAR

BROTHER POTAMIAN  
SECRETARY

BROTHER ANGELUS  
TREASURER





## COLLEGE CALENDAR

---

1911.

- January** 3—Tuesday—Class Exercises resumed.  
30—Monday—Quarterly Examinations.
- February** 13—Monday—Lincoln Day—Holiday.  
17—Friday—High School Contest in Elocution.  
22—Wednesday—Washington's Birthday—Holiday.
- March** 16—Thursday—Contest for Grady Medal.  
17—Friday—St. Patrick's Day—Holiday.
- April** 7—Friday—Quarterly Examinations.  
12—Wednesday—Easter Vacation begins.  
20—Thursday—Class Exercises resumed.
- May** 15—Monday—Feast of St. John Baptist De La Salle.  
19—Friday—School of Commerce Contest in Elocution.  
25—Thursday—Ascension Day—Holiday.  
30—Tuesday—Memorial Services for Deceased Alumni
- June** 5—Monday—Undergraduate Examinations begin.  
8—Thursday—Senior Class Day.  
13—Tuesday—Commencement Exercises.
- September** 11—Monday—Registration Day.  
12—Tuesday—Class Exercises begin.
- October** 12—Thursday—Columbus Day—Holiday.  
16—Monday—Annual Retreat.
- November** 1—Wednesday—All Saints' Day—Holiday.  
7—Tuesday—Election Day.  
13—Monday—Quarterly Examinations.  
30—Thursday—Thanksgiving Day.
- December** 8—Friday—Immaculate Conception—Holiday.  
21—Thursday—Christmas Recess begins.

1912.

- January 2—Tuesday—Class Exercises resumed.  
29—Monday—Quarterly Examinations.
- February 12—Monday—Lincoln Day—Holiday.  
16—Friday—High School Contest in Elocution.  
22—Thursday—Washington's Birthday—Holiday.
- March 15—Friday—Contest for Grady Medal.
- April 3—Wednesday—Easter Recess begins.  
11—Thursday—Class Exercises resumed.  
15—Monday—Quarterly Examinations.
- May 15—Wednesday—Feast of St. John Baptist De LaSalle  
16—Thursday—Ascension Day—Holiday.  
30—Thursday—Services for Deceased Alumni.
- June 10—Monday—Examinations.  
18—Tuesday—Commencement Exercises.
- September 9—Monday—Registration Day.  
10—Tuesday—Class Exercises begin.
- October 12—Saturday—Columbus Day—Holiday.  
21—Monday—Annual Retreat.
- November 1—Friday—All Saints' Day—Holiday.  
5—Tuesday—Election Day.  
18—Monday—Quarterly Examinations.  
28—Thursday—Thanksgiving Day—Holiday.
- December 21—Saturday—Christmas Recess begins.

# Manhattan College



MANHATTAN COLLEGE was incorporated in 1863 by the Regents of the University of the State of New York. The College comprises two departments of study, each offering several courses leading to degrees.

The courses of the Arts Department lead to the degrees of Bachelor of Arts and Master of Arts. The requirements for admission and the courses of study will be found under their proper headings.

The courses of the Civil Engineering Department lead to the degrees of Bachelor of Science and Civil Engineer.

The importance of the natural and experimental sciences is emphasized in the courses given in physics, chemistry, geology, and physiology. These courses are of special benefit to those who intend to study medicine. Of no less advantage for the intending law student are the courses in logic, political economy, and social science. For students who intend to embrace the teaching profession, there are courses in pedagogy, psychology and the history of education. These courses are recognized by the Department of Public Instruction of the State of New York and by the Board of Education of New York City.

Besides the College proper, there is the High School, with a four years' course, which prepares for the Freshman class.

The studies of the School of Commerce include all subjects necessary for a thorough training in business methods.

The studies of the Grammar School cover the pre-academic work prescribed by the Board of Regents.

The Collegiate year begins on the second Tuesday in September and ends on the last Tuesday in June. It comprises two terms, the first beginning on the second Tuesday in September and the second on the first day of February.

The courses of study adopted by the institutions affiliated to the College agree with those pursued in the High School, and thus offer to students graduating from them the advantage of entering without further examination. Students from these institutions who desire advanced standing must satisfy the Board of Examiners that their previous studies qualify them for the class which they desire to enter.

## MANHATTAN COLLEGE COMPRISES

THE ARTS DEPARTMENT and

THE ENGINEERING DEPARTMENT

## PREPARATORY SCHOOLS

THE HIGH SCHOOL

THE SCHOOL OF COMMERCE

THE GRAMMAR SCHOOL

## AFFILIATED INSTITUTIONS

DE LA SALLE INSTITUTE, New York City

LA SALLE ACADEMY, New York City

CLASON POINT MILITARY ACADEMY, New York City

LA SALLE INSTITUTE, Troy, N. Y.

LA SALLE ACADEMY, Providence, R. I.

ST. JOSEPH'S COLLEGIATE INSTITUTE, Buffalo, N. Y.

ST. JAMES' HIGH SCHOOL, Brooklyn, N. Y.

ST. JOSEPH'S HIGH SCHOOL, Manchester, N. H.

CHRISTIAN BROTHERS' ACADEMY, Albany, N. Y.

CHRISTIAN BROTHERS' ACADEMY, Syracuse, N. Y.



## PRIZES AND MEDALS

1. A purse of \$50 is awarded by the Alumni Society to the best English essayist of the Graduating class. The prize contest consists of two essays, one prepared and the other extemporaneous. The subject of the first is announced at the beginning of the month of October, and the essay must be presented not later than the second Tuesday of April. The subject of the second is announced when the candidates are assembled in the examination hall.

2. THE MILMO-McGOWAN MEDAL for religious instruction was founded by Mrs. B. McGowan, in memory of her son, Mr. Michael J. McGowan, '69. This medal is awarded on competitive examination on the subject matter of the four years' course in dogma and moral, and church history. The examination takes place at the end of May.

3. THE KELLY MEDAL for philosophy, offered to the students of the Senior Class, was founded by the late Mr. Eugene Kelly, of New York City. This medal is awarded for proficiency in logic, metaphysics, and psychology.

4. THE GRADY MEMORIAL MEDAL for oratory was founded by the Alumni Society in memory of Rev. John M. Grady, '69. The contest for this medal is open to all College students.

5. THE MEDAL for the philosophy of history, donated by the Rev. Matthew A. Taylor, is awarded to the student of the Senior Class who obtains the highest average in this subject.

6. THE LAVELLE MEDAL for pedagogy, offered by the Right Rev. Monsignor Lavelle, '73, Rector of St. Patrick's Cathedral, New York, is awarded to the student who obtains the highest percentage.

7. THE HOGUET MEDAL for civil engineering, the gift of Mr. Robert J. Hoguet, is awarded to the Senior science student who has the highest record for the year.

8. THE DEVELIN MEDAL for French, founded by Mr. Charles E. Miller, of New York City, in honor of his friend, Mr. John E. Develin, is awarded by competitive examination on the matter of the four years' College course.

9. THE RIDDER PURSE of fifty dollars for experimental physics is offered by Mr. Herman Ridder to the student of the Junior Class who obtains the highest marks in this subject during the year.

10. THE DOELGER MEDAL for German, the gift of Mr. Peter Doelger, is awarded to the student of the Junior Class who has the highest record for the year.

## FEES

|                                                                                  |          |
|----------------------------------------------------------------------------------|----------|
| Board, tuition, physician's fee, washing, per session of<br>ten months . . . . . | \$350 00 |
| Day Students ; Collegiate and Commercial . . . . .                               | 100 00   |
| Day Students ; High School . . . . .                                             | 75 00    |
| Dinner at College . . . . .                                                      | 60 00    |
| Use of laboratory and apparatus for any one course . . . . .                     | 10 00    |
| Use of typewriter . . . . .                                                      | 10 00    |
| Use of library . . . . .                                                         | 2 00     |
| Music: piano, \$80; mandolin, \$50; violin, \$50.                                |          |
| Graduation fee . . . . .                                                         | 10 00    |
| Certificate fee . . . . .                                                        | 5 00     |

For the support of athletics, the student body levies a tax of five dollars on every member of the respective classes:

Payment for the half session of five months is required in advance.

Remittances from outside New York City are to be made by draft or by post-office order, payable at Station J.

## ENTRANCE REQUIREMENTS

These requirements conform to the standards prescribed by the Regents of the University of the State of New York.

1. ENGLISH.—Candidates for admission to the Freshman class must pass a written examination in English; and no candidate will be admitted whose spelling, diction, or paragraphing is notably defective.

READING.—A certain number of books is set for reading. The candidate will be required to give evidence of a general knowledge of the subject-matter, and to answer simple questions on the lives of the authors. The form of examination will usually be the writing of a paragraph or two on each of several topics, to be chosen by the candidate from a number set before him in the examination paper. These topics, which are assigned to test the candidate's power of clear and accurate expression, will call for only a general knowledge of the substance of the books. In place of a part or the whole of this test, the candidate may present an exercise book, properly certified by his instructor, containing compositions or other written work done in connection with the reading of the books. As a preparation for this part of the entrance requirements, it is important that the candidate be well versed in the fundamental principles of rhetoric.

The books selected for reading are:

Shakespeare, *Henry V.* and *Julius Caesar*; Franklin, *Autobiography*; Goldsmith, *The Deserted Village*; Hawthorne, *The House of the Seven Gables*; Dickens, *A Tale of Two Cities*; Irving, *Sketch Book*; De Quincey, *Joan of Arc* and *The English Mail Coach*; Poe, *Poems*; Macaulay, *Lays of Ancient Rome*; Longfellow, *The Courtship of Miles Standish*, or Browning, *The Pied Piper and other Poems*.

STUDY AND PRACTICE.—This part of the examination presupposes the thorough study of each of the works named below. The examination will be upon form, structure, and subject matter. In addition, the candidate may be required to answer questions involving the essentials of English grammar, and on the leading facts in those periods of English literary history to which the prescribed books belong.

The books set for this part of the examination are:

Shakespeare, *Macbeth*; Milton, *Lycidas*, *Comus*, *L'Allegro* and *Il Penseroso*; Burke, *Speech on Conciliation with America*, or *Washington's Farewell Address* and *Webster's First Bunker Hill Oration*; Macaulay, *Life of Johnson*, or Carlyle, *Essay on Burns*.

2. HISTORY.—History of the United States and Civil Government, and (a) History of England, or (b) History of France, or (c) History of Greece and Rome.

The following works will serve to show the knowledge expected in History: Montgomery's *History of the United States*; Anderson's *History of England*; Montgomery's *History of France*; Myer's *History of the Roman People*; Myer's *History of Greece*.

3. ALGEBRA.—Wentworth's *School Algebra*, or equivalent.

4. GEOMETRY.—Wentworth's *Plane and Solid Geometry*, or equivalent.

5. PLANE TRIGONOMETRY.—Wentworth's *Plane Trigonometry*.

6. FRENCH.—Grammar, sight translation. Composition based upon the following books:

De Maistre, *Voyage autour de ma Chambre*; Mairét, *La Tâche du petit Pierre*; Halévy, *L'Abbé Constantin*; Daudet, *Le Siège de Berlin*, and Mérimée, *Colomba*.



7. GERMAN:—Grammar, sight translation. Composition based upon the following books:

Hillern, *Hoher als die Kirche*; Hauff, *Das Kalte Herz*; Freytag, *Die Journalisten*; Storm, *Immensee*.

8. CHEMISTRY.—A course of at least sixty experiments made by the candidate, with note-book certified by the teacher.

9. PHYSICS.—Knowledge of the general principles of Physics, and their applications. Each candidate must present a note-book containing a description of at least forty experiments which he has performed.

The following will be accepted in place of French and German:

LATIN.—Grammar, Allen & Greenough's or equivalent, including prosody. Cæsar, *Gallic War*, Books I-IV. Cicero, six orations. Reading at sight of a short passage of easy Latin prose. Vergil, *Æneid*, Books I-VI. Latin prose composition.

GREEK.—Grammar, Goodwin's or equivalent, including prosody. Xenophon, *Anabasis*, Books I-III. Homer, *Iliad*, Books I-III. Greek prose composition, Jones, twenty exercises or equivalent.

Students presenting Latin and Greek for admission will be required to take a special course in French and German during the Freshman year, and will thereafter follow the regular programme.

A certificate of the Regents of the University of the State of New York will be received in lieu of the entrance examination, provided it has been issued within the year, or that the candidate has a certificate of continued study since its date of issue. The candidate will, however, be examined on such branches as are not included in the Regents' certificate.



## UNITS REQUIRED.

The college entrance requirements throughout the country have recently been based on a system of units, the unit being the equivalent of five periods a week for one year in a study.

On this rating, our requirements for entrance to the Freshman Class are as follows:

|                                       |     |          |
|---------------------------------------|-----|----------|
| English . . . . .                     | 3   | units    |
| Algebra . . . . .                     | 2   | "        |
| Plane Geometry . . . . .              | 1   | "        |
| Solid Geometry . . . . .              | 3/5 | "        |
| Trigonometry . . . . .                | 3/5 | "        |
| Physical Geography . . . . .          | 1   | "        |
| Biology . . . . .                     | 1   | "        |
| Physics . . . . .                     | 1   | "        |
| Chemistry . . . . .                   | 1   | "        |
| Ancient History . . . . .             | 3/5 | "        |
| Medieval and Modern History . . . . . | 3/5 | "        |
| English History . . . . .             | 3/5 | "        |
| American History and Civics . . . . . | 1   | "        |
| French . . . . .                      | 4   | "        |
| German . . . . .                      | 2   | "        |
|                                       |     | <hr/>    |
|                                       |     | 20 units |



## GENERAL REGULATIONS

Every candidate for admission must present a certificate of good character.

At the beginning of the first year, each student elects the course which he desires to follow; no student may afterwards change his course without permission of the Faculty.

Punctuality at all the exercises is required. Students absent from the opening of either the morning or the afternoon session, will not be admitted to class without a note from the Inspector. No student who has exceeded the limit of absences from recitations will be entitled to take the examination.

Examinations are held semi-annually, in January and June, in all the subjects studied during the intervening periods. Special examinations in any subject may be held at the option of the Professor. Drawing and laboratory work count for half a recitation each.

Absence from an examination, unless excused by the Faculty, will be considered a failure.

Should a student fail in any one of the regular examinations, he may be permitted to take another examination at the opening of the following term, or at such time as may be fixed by his Professor.

Seventy per cent. in each subject constitutes a pass in both departments of the College.

The final standing of each student is determined by his examination results together with the average of his year's class-marks in each subject.

Every candidate for a degree is required to present a written thesis on a subject connected with his course. The subject selected must be submitted for approval to the Professor of the department to which it belongs, on or before February 1. Such help and guidance may be offered the candidate as the Professor shall judge right, and the completed thesis shall be handed in for approval on or before May 30.

Theses shall contain not less than two thousand words, and must be typewritten on paper 13x8, with a margin of an inch and a half. Science theses must be accompanied by the necessary drawings and illustrations. All approved theses become the property of the College and are placed in charge of the Librarian.

If a student fail to present his thesis, or if the thesis be rejected, he shall not be recommended for his degree.

No degree or other testimonial will be conferred on any student who has not satisfactorily completed the prescribed courses.

At the discretion of the Faculty, a certificate of proficiency may be given to a student who has followed, under the direction of the Faculty, a special course of one or more subjects, and who gives evidence of satisfactory proficiency.

N. B.—No course outlined in this catalogue will be given unless there is a sufficient number of applicants.

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ARTS DEPARTMENT

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## ARTS DEPARTMENT

The studies of this department for the Freshman and Sophomore years are prescribed; but in the Junior and Senior years elective courses are open to the student. In the Junior year, aspirants to the teaching profession begin to specialize for their future work.

Studies in literature, political science, pedagogy, and philosophy are supplemented by the discussion of pertinent articles in the leading periodicals of America and Europe.

The entrance requirements will be found on page 12.

Students who successfully complete one of the prescribed courses of this department receive the degree of Bachelor of Arts.

For the degree of Master of Arts, see page 32.

## ARTS DEPARTMENT.

### FRESHMAN CLASS.\*

| FIRST TERM.             |     |        | SECOND TERM.            |     |        |
|-------------------------|-----|--------|-------------------------|-----|--------|
| FRENCH,                 | (4) | 63     | FRENCH,                 | (4) | 63     |
| GERMAN,                 | (4) | 69     | GERMAN,                 | (4) | 69     |
| ENGLISH,                | (4) | 53, 55 | ENGLISH,                | (6) | 53, 56 |
| HISTORY,                | (2) | 74     | HISTORY,                | (3) | 75     |
| MATHEMATICS,            | (3) | 89     | MATHEMATICS,            | (5) | 91, 92 |
| PHYSICS,                | (2) | 119    | PHYSICS,                | (2) | 119    |
| PHYSICAL<br>LABORATORY, | (2) |        | PHYSICAL<br>LABORATORY, | (2) |        |
| CHEMISTRY,              | (2) | 11     | CHEMISTRY,              | (2) | 13     |
| CHEMICAL<br>LABORATORY, | (3) | 12     | CHEMICAL<br>LABORATORY, | (3) | 14     |
| ELOCUTION,              | (1) | 98     | ELOCUTION,              | (1) | 98     |
| CHRISTIAN<br>DOCTRINE,  | (2) | 121    | CHRISTIAN<br>DOCTRINE,  | (2) | 121    |

### SOPHOMORE CLASS.

| FIRST TERM.            |     |        | SECOND TERM.           |     |        |
|------------------------|-----|--------|------------------------|-----|--------|
| FRENCH,                | (4) | 64     | FRENCH,                | (4) | 64     |
| GERMAN,                | (4) | 70     | GERMAN,                | (4) | 70     |
| ENGLISH,               | (6) | 58, 59 | ENGLISH,               | (6) | 57, 59 |
| HISTORY,               | (3) | 76     | HISTORY,               | (3) | 77     |
| MECHANICS,             | (3) | 94     | MECHANICS,             | (3) | 94     |
| GEOLOGY,               | (2) | 67     | GEOLOGY,               | (2) | 68     |
| ELOCUTION,             | (1) | 99     | ELOCUTION,             | (1) | 99     |
| CHRISTIAN<br>DOCTRINE, | (2) | 122    | CHRISTIAN<br>DOCTRINE, | (2) | 122    |

\* The figures in parentheses indicate the number of hours per week; the others indicate the paragraphs in which the course is outlined.

## JUNIOR CLASS.

| FIRST TERM.             |     |          | SECOND TERM.            |     |          |
|-------------------------|-----|----------|-------------------------|-----|----------|
| FRENCH,                 | (4) | 65       | FRENCH,                 | (4) | 65       |
| GERMAN,                 | (4) | 71, 72   | GERMAN,                 | (4) | 71, 72   |
| ENGLISH,                | (5) | 54, 60   | ENGLISH,                | (5) | 60       |
| PHILOSOPHY,             | (4) | 107, 109 | PHILOSOPHY,             | (4) | 108      |
| PHYSICS,                | (3) | 120      | PHYSICS,                | (3) | 120      |
| PHYSICAL<br>LABORATORY, | (3) |          | PHYSICAL<br>LABORATORY, | (3) |          |
| ORATORY,                | (1) | 99       | ORATORY,                | (1) | 100      |
| CHRISTIAN<br>DOCTRINE,  | (2) | 123      | CHRISTIAN<br>DOCTRINE,  | (2) | 123      |
| ASTRONOMY,              | (2) | 1        | ASTRONOMY,              | (2) | 1        |
| PEDAGOGY,               | (3) | 102, 104 | PEDAGOGY,               | (3) | 102, 104 |

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## ELECTIVES.

| FIRST TERM.                           |     |     | SECOND TERM.                 |     |      |
|---------------------------------------|-----|-----|------------------------------|-----|------|
| BIOLOGY,                              | (4) | 4   | BIOLOGY,                     | (4) | 4, 5 |
| { SPANISH,                            | (2) | 125 | { SPANISH,                   | (2) | 125  |
| { AMERICAN POLITICAL<br>INSTITUTIONS, | (1) | 81  | { EUROPEAN<br>CONSTITUTIONS, | (1) | 82   |
| { CHURCH HISTORY,                     | (1) | 86  | { CHURCH HISTORY,            | (1) | 86   |

# SENIOR CLASS.

|                   |     |          |               |     |              |
|-------------------|-----|----------|---------------|-----|--------------|
| ENGLISH,          | (4) | 61       | ENGLISH,      | (4) | 62           |
| PHILOSOPHY OF     |     |          | PHILOSOPHY OF |     |              |
| HISTORY,          | (2) | 85       | HISTORY,      | (2) | 85           |
| ONTOLOGY AND COS- |     |          | EPISTEMOLOGY, | (4) | 113          |
| MIC PHILOSOPHY,   | (4) | 110, 111 | PSYCHOLOGY,   | (4) | { 112<br>117 |
| HISTORY OF        |     |          | HISTORY OF    |     |              |
| PHILOSOPHY,       | (2) | 118      | PHILOSOPHY,   | (2) | 118          |
| ECONOMICS,        | (2) | 47       | ECONOMICS,    | (2) | 48           |
| ORATORY,          | (1) | 101      | ORATORY,      | (1) | 101          |
| NATURAL           |     |          | ETHICS,       | (2) | 115, 116     |
| THEOLOGY,         | (2) | 114      | FRENCH,       | (4) | 66           |
| FRENCH,           | (4) | 66       | GERMAN,       | (3) | 73           |
| GERMAN,           | (4) | 73       |               |     |              |

# ELECTIVES

|                 |     |          |                |     |          |
|-----------------|-----|----------|----------------|-----|----------|
| BIOLOGY,        | (2) | 2, 3, 4  | BIOLOGY,       | (2) | 2, 3, 4  |
| { PRINCIPLES OF |     |          | { SOCIOLOGY,   | (3) | 52       |
| GOVERNMENT,     | (3) | 49       | REPRESENTATIVE |     |          |
| PUBLIC FINANCE  | (2) | 50       | GOVERNMENT,    | (2) | 51       |
| { AMERICAN      |     |          | { AMERICAN     |     |          |
| HISTORY,        | (2) | 83       | HISTORY,       | (2) | 83       |
| HISTORY OF OUR  |     |          | HISTORY OF OUR |     |          |
| TIMES,          | (1) | 80       | TIMES,         | (1) | 80       |
| SPANISH,        | (3) | 126      | SPANISH,       | (3) | 126, 127 |
| PEDAGOGY,       | (3) | 103, 105 | PEDAGOGY,      | (3) | 103, 105 |

## PEDAGOGY

The regular College work in logic and psychology satisfies the requirements of both State and City Superintendents of Public Instruction, under whose immediate direction examinations in the history of education and in method are held. Upon completing a satisfactory examination in these subjects, the candidate receives a license to teach for three years, after which period, if successful experience can be demonstrated, the provisional license may be exchanged for a life certificate.

The main requisite is that the candidate be a graduate from a college or university recognized by the Regents of the University of the State of New York, wherein at least one year was spent in pedagogical study amounting to not less than 210 hours, with attendance upon lectures or recitations, as follows: logic or psychology, at least 90 hours; history and principles of education and methods of teaching, at least 120 hours.

The courses offered to the students in Pedagogy are:

JUNIOR YEAR.—Logic, 60 hours.

History of Education and  
Principles of education, 90 hours.

SENIOR YEAR.—Psychology, 90 hours.

Method in teaching, 60 hours.  
Observation, 20 hours.

## STATE REQUIREMENTS FOR THE STUDY OF LAW AND MEDICINE

In the interest of students who intend, after graduation, to take up the study of law or medicine, the following notes are added:

An office clerkship is no longer required of young men applying for admission to the New York bar. Applicants must be at least eighteen years of age, in order to have their time of study counted toward the required period. If they are not graduates of a university or college in good standing, they must file with the clerk of the court of appeals a Regents' law-student certificate.

College graduates may complete the prescribed law course in two years.

The period of eighteen months of office clerkship required for admission is satisfied by an equal time spent in a New York law school.

Candidates for admission to a medical college must be at least eighteen years of age and present satisfactory evidence of moral character. If not graduates of a university or college in good standing, they must present a Regents' academic diploma or its equivalent.



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ENGINEERING DEPARTMENT

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## COURSE IN CIVIL ENGINEERING

The work of this department is planned to give the student a liberal education, and to enable him, after graduating, to derive immediate profit from his professional career.

The course in Civil Engineering comprises surveying, road and railroad engineering, bridge engineering, hydraulics and water-works, and reinforced concrete construction.

The work is both theoretical and practical. The lectures of the class-room are supplemented by field-work and visits to places of engineering interest.

The Summer Course in topographical surveying begins in the middle of June and extends over a period of four weeks.

The reading and discussion of the principal scientific and technical periods form an essential feature of this department.

Students who successfully complete this course receive the degree of Bachelor of Science in Civil Engineering. For the degree of Civil Engineer, see page 32.

The entrance requirements are the same as for the Arts Department, page 12.

# THE COURSE IN CIVIL ENGINEERING.

## FRESHMAN CLASS.\*

### FIRST TERM.

|                                  |     |        |
|----------------------------------|-----|--------|
| MATHEMATICS,                     | (3) | 89     |
| PHYSICS,                         | (2) | 119    |
| PHYSICAL<br>LABORATORY,          | (2) |        |
| SURVEYING,                       | (3) | 16     |
| CHEMISTRY,                       | (2) | 11     |
| CHEMISTRY, LABO-<br>RATORY WORK, | (2) | 12     |
| ENGLISH,                         | (4) | 53, 55 |
| GERMAN,                          | (4) | 69     |
| DESCRIPTIVE<br>GEOMETRY,         | (2) | 42     |
| DRAFTING,                        | (4) | 39, 40 |
| ELOCUTION,                       | (1) | 98     |
| CHRISTIAN<br>DOCTRINE,           | (2) | 121    |

### SECOND TERM.

|                                  |     |        |
|----------------------------------|-----|--------|
| ANALYTICAL<br>GEOMETRY,          | (5) | 91, 92 |
| PHYSICS,                         | (2) | 119    |
| PHYSICAL<br>LABORATORY,          | (2) |        |
| SURVEYING,                       | (3) | 16     |
| CHEMISTRY,                       | (2) | 13     |
| CHEMISTRY, LABO-<br>RATORY WORK, | (2) | 14     |
| ENGLISH,                         | (6) | 56     |
| GERMAN,                          | (4) | 69     |
| DESCRIPTIVE<br>GEOMETRY,         | (2) | 42     |
| DRAFTING,                        | (4) | 39, 40 |
| ELOCUTION,                       | (1) | 98     |
| CHRISTIAN<br>DOCTRINE.           | (2) | 121    |

## SOPHOMORE CLASS.

### FIRST TERM.

|                        |     |        |
|------------------------|-----|--------|
| MECHANICS,             | (3) | 94     |
| CALCULUS,              | (3) | 93     |
| SURVEYING,             | (3) | 17     |
| DRAFTING,              | (6) | 41 (a) |
| GEOLOGY,               | (2) | 67     |
| ENGLISH,               | (4) | 58, 59 |
| GERMAN,                | (4) | 70     |
| ELOCUTION,             | (1) | 99     |
| CHRISTIAN<br>DOCTRINE, | (2) | 122    |

### SECOND TERM.

|                                       |     |        |
|---------------------------------------|-----|--------|
| MECHANICS,                            | (3) | 94     |
| CALCULUS,                             | (3) | 93     |
| SURVEYING,                            | (2) | 17     |
| GRAPHIC STATICS,                      | (2) | 44     |
| DESIGN PROBLEMS,                      | (6) | 43     |
| GEOLOGY,                              | (2) | 68     |
| BUILDING MATERIALS<br>AND APPLICATION | (2) | 38     |
| ENGLISH,                              | (4) | 57, 59 |
| GERMAN,                               | (4) | 70     |
| ELOCUTION,                            | (1) | 99     |
| CHRISTIAN<br>DOCTRINE,                | (2) | 122    |

\* The figures in parentheses indicate the number of hours; the others indicate the paragraphs in which the course is outlined.

## JUNIOR CLASS.

| FIRST TERM.       |     |          | SECOND TERM.      |     |         |
|-------------------|-----|----------|-------------------|-----|---------|
| MECHANICS AND     |     |          | ASTRONOMY,        | (2) | 1       |
| STRENGTH OF       |     |          | PHYSICS,          | (3) | 120     |
| MATERIALS,        | (2) | 95       | PHYSICAL          |     |         |
| MASONRY STRUC-    |     |          | LABORATORY,       | (3) | 120 (b) |
| TURES AND FOUN-   |     |          | MASONRY           |     |         |
| DATIONS,          | (3) | 20, 23   | STRUCTURES,       | (3) | 23      |
| METALLURGY,       | (2) | 15       | TRUSSES,          | (4) | 28      |
| PHYSICS.          | (3) | 120      | ROAD AND RAILROAD |     |         |
| PHYSICAL          |     |          | ENGINEERING,      | (3) | 18, 30  |
| LABORATORY,       | (3) | 120 (b)  | TUNNELING,        | (2) | 25      |
| ROAD AND RAILROAD |     |          | EXCAVATIONS,      | (2) | 26      |
| ENGINEERING,      | (2) | 18, 22   | DESIGN PROBLEMS,  | (4) | 45      |
| DESIGN PROBLEMS,  | (2) | 45       | ORATORY,          | (1) | 100     |
| ANALYTICAL        |     |          | PHILOSOPHY,       | (2) | 108     |
| MECHANICS,        | (2) | 96       | CHRISTIAN         |     |         |
| SURVEYING,        | (2) | 19       | DOCTRINE,         | (2) | 123     |
| ASTRONOMY,        | (2) | 1        |                   |     |         |
| ORATORY,          | (1) | 99       |                   |     |         |
| PHILOSOPHY,       | (3) | 107, 109 |                   |     |         |
| CHRISTIAN         |     |          |                   |     |         |
| DOCTRINE,         | (2) | 123      |                   |     |         |

## SENIOR CLASS.

| FIRST TERM.      |     |          | SECOND TERM.     |     |          |
|------------------|-----|----------|------------------|-----|----------|
| BRIDGES AND      |     |          | BRIDGES,         | (6) | 29       |
| BUILDING,        | (6) | 29       | CONTRACTS AND    |     |          |
| HYDRAULICS       | (3) | 23       | SPECIFICATIONS,  | (2) | 32       |
| WATER SUPPLY,    | (3) | 31       | RAILROAD         |     |          |
| SEWERS,          | (2) | 27       | ENGINEERING,     | (3) | 30       |
| CEMENT           |     |          | DESIGN PROBLEMS, | (5) | 46       |
| LABORATORY,      | (4) | 24       | DRAFTING,        | (3) | 41 (b)   |
| DESIGN PROBLEMS, | (6) | 46       | ENGLISH,         | (1) | 54       |
| DRAFTING,        | (2) | 41 (b)   | ORATORY,         | (1) | 100, 101 |
| ENGLISH,         | (1) | 54       | THESIS,          | (2) |          |
| ORATORY,         | (1) | 100, 101 | ETHICS,          | (2) | 116      |
| NATURAL          |     |          |                  |     |          |
| THEOLOGY,        | (2) | 114, 115 |                  |     |          |

## HIGHER DEGREES

Bachelors of Arts may obtain the Master's degree by pursuing an approved course of study and giving satisfactory evidence of scholarship. If such post-graduate study is not pursued in the College, the degree will not be conferred until two years after graduation.

Professional study, as such, does not entitle one to the Master's degree; but original research or special and scholarly study connected with a profession may, at the discretion of the Faculty, be accepted.

Essays, theses, and dissertations intended for the Master's degree must be presented at least one month before the end of the academic year and must contain, at least, 3,000 words. The bibliography or list of works consulted must, in each case, be appended to the thesis.

If a candidate's thesis is approved, he will be informed as to the time when he will be required to meet the Board of Examiners for any further test of his qualifications which may be deemed necessary.

Bachelors of Science in Engineering may obtain the degree of Civil Engineer one year after graduation on the presentation of an approved thesis.







## COURSES OF STUDY

### FOR THE MASTER'S DEGREE.

#### *For Master of Arts.*

Any one of the following courses:

- I. Moral Philosophy, with written thesis, making special application of its principles to mooted questions of the day.
- II. Plato or Aristotle, with the history of his influence on modern thought.
- III. A comparative study of the psychology of St. Thomas Aquinas and modern psychology.
- IV. A comparative study of Thomistic ethical principles and current theories.
- V. A critical study of Locke's influence on modern philosophy.
- VI. A critical study of Kantianism.
- VII. A critical study, with practical applications, of any *one* of the following psychologic principles as applied in teaching:  
(a) Interest; (b) Apperception; (c) Attention;  
(d) Personal Equation; (e) Imitation; (f) Free Will; (g) Character; (h) Humor; (i) Imagination.
- VIII. A critical examination of current errors in logic, psychology, or ethics.
- X. A thorough criticism of any one of the accepted texts in logic, psychology, or ethics.

- XI. A critical examination of any one of the accepted texts in the history of education.
- XII. A critical study of the growth of the novel.
- XIII. English literature. Critical analysis of any classic author from the Catholic standpoint.
- XIV. French literature, with translations at sight from any classic author, and a critical French essay on his work or his age.
- XV. German literature, with translation at sight from any classic author, and a critical German essay on his work or his age.
- XVI. Church History. Selections of important periods for research, with essays embodying results of investigation.
- XVII. A discussion of current theories in political economy.
- XVIII. A critical examination of any one of the texts commonly accepted as standard in political economy.
- XIX. A detailed examination with applications of the relations of political economy to ethics.
- XX. A critical study of Leo XIII.'s encyclicals on political questions.
- XXI. Discussion of prevalent sociological theories.
- XXII. Amplification of topics discussed by the Catholic Truth Society.

*For Master of Science.*

Any one of the following courses:

- I. Higher co-ordinate geometry of two dimensions; co-ordinate geometry of three dimensions.

- II. General theory of equations.
- III. Higher parts of the integral calculus; differential equations; calculus of variations.
- IV. Rigid dynamics.
- V. Fourier's theorem and its applications.
- VI. The wave theory treated mathematically or experimentally, or both.
- VII. The electromagnetic theory of light.
- VIII. Phenomena of Interference, diffraction and polarization.
- IX. Spectrum analysis.
- X. The kinetic theory of gases.
- XI. Conservation and dissipation of energy.
- XII. Application of the doctrine of energy to the phenomena of chemical combination.
- XIII. Thermal measurement of energy.
- XIV. Properties and phenomena of the ether.
- XV. Discharge of electricity through gases.
- XVI. Recent views on electricity.
- XVII. Higher parts of static and dynamic electricity.
- XVIII. Phenomena of alternating currents.
- XIX. Astrophysics.
- XX. Special studies in civil engineering.
- XXI. Special studies in electrical engineering.

These subjects are merely suggestive, and are intended to assist the candidate in the choice of a subject for his thesis. The treatment of the subject should be thorough and comprehensive, and should embody the result of original thought or of experimental investigation, as the case may require.

Published works of the candidate on the subject selected, articles in reviews or scientific periodicals, or contributions to the transactions of learned societies will receive due consideration from the Board of Examiners.

## COURSES OF STUDY

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### ASTRONOMY.

**1. Descriptive Astronomy.**—The dimensions of the earth, its mass and motions. Phenomena depending on the axial and the orbital motion of the earth. Determination of the figure and magnitude of the earth. Kepler's laws and applications. Phenomena depending on change of place. Fundamental principles of celestial mechanics. Dimensions and configuration of the solar system. The sun and planets. Tides, eclipses, transits.

Young, *Manual of Astronomy*.

Reference: Lodge, *The Pioneers of Science*.

**PRACTICAL ASTRONOMY.**—Construction, adjustment, and use of the sextant, transit, spectroscope and equatorial telescope. Determination of the meridian, latitude, and local time.

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### BIOLOGY.

**2. General Principles.**—Study of typical forms. Comparative study of the skeleton of typical animals. Elements of anatomy, physiology and ecology. Lectures, laboratory work, visits to museums and botanical gardens.

Hunter, *Elements of Biology*.

Ritchie, *Human Physiology*.

**3. Natural History of Plant Groups.**—Structure of plants and function of the various organs. Study of phanerogams and cryptogams. Histology and physiology of plants.

Bailey, *Elements of Botany*.



4. **Zoology.**—Structure of leading types of animals; function of organs; classification; economic relations; geographical distribution. Lectures, recitations, laboratory work, visits to museums. Burnett, *School Zoology*.

5. **Human Anatomy and Physiology.**—Lectures, illustrated with charts, models and lantern slides.

6. **The Nervous System and Its Terminal Organs.**—Lectures and illustrations, with charts, models and lantern slides.

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## CHEMISTRY.

11. **General Inorganic Chemistry.**—Preparation, properties and uses of the more important elements and inorganic compounds.

Newell, *Descriptive Chemistry*.

12. **Chemical Laboratory.**—Practice in the methods of preparing and testing the common elements and their important compounds.

13. **Qualitative Analysis.**—Description of a method of separation which experience has proved to be sufficiently simple and accurate.

14. **Laboratory Work.**—Separation of the ordinary bases and acids; Garvin, *Special tests*.

15. **Metallurgy of Iron and Steel.**—Study of the physical and chemical properties as well as the constitution and manufacture of cast iron, wrought iron, and steel.

Stoughton, *The Metallurgy of Iron and Steel*.

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## CIVIL ENGINEERING.

16. **Land Surveying.**—Theory and general principles. Adjustment and use of chain, tape, rod, vernier, level, transit and compass. Simple leveling with ordinary level, hand-level, and

barometer. Making of profile. Pacing, chain and compass surveying. Balancing, plotting, supplying omissions, and computing areas.

**17. Land Surveying.**—Theory, adjustment and use of transit. Transit, stadia, and topographical surveying. Leveling, contour lines, plotting, computing areas, use of plane table.

Pence and Ketchum, *Surveying Manual*.

**18. Road Engineering.**—Location and grading of country roads. Staking out of work. Draining and protection works. Maintenance. Foundations. City streets. Pavements: stone, wood, asphalt, brick. Tools and machinery employed in road construction. Specifications and contracts regarding roads.

Byrne, *Highway Construction*.

**19. Land Surveying.**—City surveying, triangulation, hydrographic and mining surveying.

**20. Foundations.**—Construction of timber foundation. Cofferdams of timber. Open and pneumatic caissons. Trestle foundations. Piles in foundations. Economical considerations in foundations. Estimates of cost. Methods for deep foundations.

Baker, *Foundations*.

Prelini, *Earth Slopes, Retaining Walls and Dams*.

**21. Timber Structures.**—Culverts. Pile bents. Frame bents. Bracing compound timber structures. Trestles on curves. Floor details. Connection with embankment, derailing devices, field engineering, and erection of trestle, design and estimates for a completed trestle.

Foster, *Treatise on Modern Trestle Bridges*.

**22. Railroad Surveying.**—Reconnaissance and preliminary surveys. Organization of work. Simple, compound, and transition curves. Turnouts. Cross-section work. Computation of earthwork.

Searle, *Field Engineering*.

**23. Masonry Structures.**—Theory of the slope of earth embankments; graphical and analytical methods for determining

earth-pressure as well as the thickness of retaining-walls and dams. Arches. Masonry culverts and bridges.

Baker, *Masonry construction*.

**24. Cement and Concrete.**—Portland and natural cement: raw materials, methods of manufacture, uses. Laboratory work in testing.

CONCRETE—Plain and reinforced. Selection of materials, proportions, methods of mixing and depositing; cost. Specifications for cement and steel designs.

Taylor and Thompson, *Concrete, Plain and Reinforced*.

**25. Tunneling.**—Timbering and lining of tunnels. Excavation of tunnels through rock, and through loose and treacherous soils. Subaqueous tunnels. Open cut. Subways. Ventilation of tunnels.

Prelini, *Tunneling*.

**26. Excavations.**—Earthwork, excavations by hand and machine, rock excavation, hauling on horizontal and inclined roads, hoisting cableways, trench cutting, embankment constructions, dredging and dredging materials.

Prelini, *Earth and Rock Excavation*.

Prelini, *Dredges and Dredging*.

**27. Sewers and Sewage Disposal.**—Dimensions and materials used, location, precautions in construction, study of examples, estimate of cost, surface drainage in towns and cities, separate and combined systems, capacities of main and branches, grade, flow and discharge of sewers. Methods of sewage disposal, discharge into streams; gravity and chemical precipitation. Filtration.

Folwell, *Sewerage Systems*.

**28. Theory of Trusses.**—Truss elements, loads and reactions for trusses of various designs, influence lines, and position of loads for maximum bending movement. Wheel-loads and conventional systems of analysis, stress-strain diagrams, secondary stresses in trusses, applications to highway and railroad bridges.

Merriman and Jacoby, *Roofs and Bridges*.

29. **ROOFS, BRIDGES AND BUILDINGS.**—Different classes of bridges, riveted truss or lattice bridges, pin-connected bridge, design of details for roofs and bridges, floor systems, lateral and transverse bracing. The plate girder in detail, swing bridge (different kinds), end-lifting apparatus, machinery for operating cantilever structures, single and double track trestles or viaducts in steel or timber, elevated railroads, stand-pipes. Complete designs, with estimate of cost for structure and erection.

Merriman and Jacoby, *Roofs and Bridges*.

30. **Railroad Economics.**—General theory of railroad projects. Probable volume of traffic and its probable growth. Effect of alignment on resources and operating expenses. Methods of railroad management. Construction of railroads; track laying and maintenance, frogs and switches, track accessories, records and reports.

Tratman, *Track and Track Work*.

31. **Irrigation and Water Supply.**—Drainage areas, rainfall, evaporation. Reservoir construction. Dams for storage. Regulators. Distributing reservoirs and purification of water. Velocity of flow and dimensions of canals. Distributing and lateral canals.

32. **Contracts and Specifications.**—

Johnson, *Contracts and Specifications*.

33. **Hydraulics.**—Flow of water through orifices and over weirs, gauging of weirs. Flow of water in canals. Formulæ for discharge of water from locks. Motion of water in pipes. System of pipes. Gauging water in rivers. Backflow. Resistance of water in a river, in a canal. Hydraulic motors. Ship railways.

Merriman, *Hydraulics*.

34. **Inspection Visits.**—Visits to engineering works and manufacturing establishments.

35. **Field Work.**—Surveying. Compass and transit surveys. Adjustment of instruments. Farm survey. Angle reading, repetition. Azimuth traverse.

36. **Field Work.**—Leveling. Contour sketching. Topographical surveying.

**37. Railroad Survey.**—Reconnaissance and preliminary survey. Location of line. Profile and cross-section. Computation of earth work. About two miles of road are run, and the students make all calculations required in the regular routine of office work.

**38. Building Materials.**—Stones: quarrying, working, employment. Bricks, manufacture and employment. Production and testing of lime, hydraulic lime, and cement; mortar; concrete; timber, metals; miscellaneous materials.

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## DRAWING.

**39. Mechanical Drawing.**—Use of instruments, geometrical problems, lettering, plans, elevations.

**40. Mechanical Drawing.**—Elementary projections, intersections, shades and shadows. Tinting drawings, pen-and-ink sketching.

**41 (a). Drawing.**—Stone-cutting and its application to culverts, sewers, etc. Tracing and blue-prints.

**41 (b).** First Term: Structural drafting, tracing, conventional signs and methods.

Second Term: Series of ten plates of graphical determinations of stresses in girders and trusses.

**42. Descriptive Geometry.**—Demonstrations and execution of eight plates.

Faunce, *Descriptive Geometry*.

**43. Drawing.**—Plots of survey, topographical maps, contour maps, profiles.

**44. Graphic Statics.**—Resolution of concurrent and non-concurrent forces; determination of moments, of internal stresses, of centroids and moments of inertia. Application to roofs and trusses.

Merriman and Jacoby, *Graphic Statics*.



**45. Design Problems.**—Graphic solution of problems concerning the slope of embankments, earth pressure against retaining-walls and dams; stability of retaining-walls, dams, and arches. Design of a masonry bridge with plan, elevation, longitudinal and cross-sections.

**46.—Bridge Design.**—Design of roof trusses and fixed steel bridges. Drawbridges. Elevated steel structures. Skeleton of a steel building. Computations and working drawings are made from specifications for a railroad bridge of short span, and estimates of its weight are prepared.

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## ECONOMICS, SOCIAL AND POLITICAL SCIENCE.

**47. Economics.**—Principles of production, distribution, exchange, money, banking, international trade-relation of labor and capital, present organization of industry, currency legislation of the United States.

48. Economic history of England and America.

49. Principles of government, legislation, the judiciary, the executive, suffrage, and finance.

Fiske, *Civil Government*.

50. Public expenditure. Sources of state income. Development, classification, incidents and effects of principal taxes.

Reference: Adam's *Science of Finance*.

51. Political representation in Colonial period as compared with representation at present.

**52. Principles of Sociology.**—Psychology of social types. Historical aspects of social organization, both ancient and modern. Study of modern social problems.



## ENGLISH.

**53. English Composition.**—The theory of composition with special reference to the qualities of diction and to the structure of the sentence and the paragraph. The study of exposition, narration and description. Three short themes weekly. Longer themes at regular intervals. Comments and criticisms.

**54. Argumentation and Debate.**—Study of the nature of argumentation. Exercises in analysis of classic argumentative speeches. Study of the rules and tests of evidence. Theory and practice of brief-drawing. Original forensics and argumentative essays.

Baker and Huntington, *Principles of Argumentation*.

**55. History of English Literature.**—Rapid survey of the growth and development of English literature preparatory to an intensive study of special periods. Reading of representative masterpieces.

Brother Noah, *Manual of English Literature*.

**56. History of American Literature.**—Study of the growth and special characteristics of American literature as an introduction to an intensive consideration of special periods.

**57. Literature of the Drama.**—Study of the origin and development of the English drama. Critical reading of Shakespeare's *Hamlet* or *King Lear*.

Woodbridge, *The Drama: Its Laws and Its Technique*;  
Brandes, *William Shakespeare*.

**58. English Literature of the Nineteenth Century.**—Study of the leading English authors of this period, and a critical reading of selected classics indicated in Brother Azarias's *Books and Reading*.

**59. Principles of Versification.**—Study of English verse-structure. Exercises in scansion and verse-making. Original poems.

Gummere, *Handbook of Poetics*.

**60. Anglo-Saxon Literature.**—Study of the various influencing agencies in Old English literature, and the growth and development of Old English thought from the dawn of English history down to the Norman Conquest. Critical reading of *Beowulf*.

Brother Azarias, *Development of Old English Thought*.

**61. Philosophy of Literature and of Style.**—An examination into the fundamental principles of literature and style.

Brother Azarias, *Philosophy of Literature*; Spencer, *Philosophy of Style*.

**62. Principles of Literary Criticism.**—Examination into the Spiritual in Literature.

Brother Azarias, *Phases of Thought and Criticism*; Gardiner, *The Bible in Literature*; Thomas a Kempis, *The Imitation*; Chateaubriand, *The Genius of Christianity*; Newman, *Essay on the Development of Christian Doctrine*; Gigot, *Introduction to Sacred Scriptures*.

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## FRENCH.

**63. Francois,** *Advanced French Prose Composition*.

Molière, *Le Misanthrope*.

Bowen, *French Lyrics*.

Hugo, *Hernani*.

Michelet, *Extraits de l'histoire de France*.

Corneille, *Polyeucte*.

**64. History of French Literature in the Seventeenth Century.**—A study of the political, social, and literary development of France during the Seventeenth Century.

Fortier, *Historie de la Littérature Française*.

Warren, *French Prose of the Seventeenth Century*.

Selected plays of Corneille, Racine, and Molière.

Boileau, *L'Art Poétique*.

**65. History of French Literature in the Eighteenth Century.**—Life and times of Voltaire.

Fortier, *Historie de la Littérature Française*.

Selections from authors studied.

International correspondence.

**66. History of French Literature in the Nineteenth Century.**—Special attention to the works of Hugo, de Lamartine, and Chateaubriand. Selections from de Musset, Dumas, Balzac, and de Maupassant.

Fortier, *Sept Grands Auteurs du Dix Neuvième Siècle*. International correspondence.

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## GEOLOGY.

**67. Descriptive and Determinative Mineralogy; Physical, Historical and Stratigraphical Geology.**

Lectures and laboratory work.

**68. Geology.**—Lectures and recitations: more advanced discussion of the subjects treated above.

Dana, *Text-book of Geology*.

## GERMAN.

69. Freytag, *Soll und Haben*; Schiller, *Maria Stuart*; Lessing, *Minna von Barnhelm*; Goethe, *Egmont* or *Iphigenie auf Tauris*.  
Prose Composition, Wesselhoeft.

70. Freytag, *Bilder aus der deutschen Vergangenheit*; Sybel, *Die Erhebung Europas*; Dippold, *Scientific German Reader*; Prehn, *Journalistic German*.

Prose Composition, Harris.

71. Schiller, *Wallenstein*; Lessing, *Nathan der Weise*; international correspondence.

72. **History of German Literature.**—Lectures, themes, readings.

International correspondence.

73. Goethe, life and works: *Faust*, *Hermann und Dorothea*, *Tasso*.

Selections from *Dichtung und Wahrheit*. International correspondence.

Advanced Prose Composition.

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## HISTORY.

74. **Ancient History.**—History of Greece, with special reference to its literature, politics, and commerce.

75. **Ancient History.**—Rome, from the Founding of the City to the fall of the Western Roman Empire, with special reference to literature, politics, and commerce.

76. **Medieval History.**—From the Fall of the Western to the Fall of the Eastern Roman Empire. The Holy Roman Empire and the Papacy receive special attention.

**77. The Renaissance and the Reformation.**—The principal subjects studied are the revival of learning, the age of discovery, the Reformation in England, France and Germany; the Thirty Years' War, and the Peace of Westphalia.

**78. English History.**—In this course special attention is given to the constitutional and social history of England.

**79. French History.**—From the establishment of the French monarchy to the French Revolution.

**80. The History of the Nineteenth Century, Beginning with the Year 1815.**—This course treats principally of the restoration of the Bourbons, the Revolutions of 1830 and 1848, the Austro-Prussian war, the Franco-Prussian war, the Unification of Germany and of Italy.

**81. American Political Institutions.**—Nature of state and national systems; organization and powers of legislative, executive and judicial departments of Federal Government.

**82. European Constitutions.**—Political institutions of England and Switzerland as compared with those of the United States.

**83. Constitutional History of the United States.**—Colonial Governments, the confederation, the federal constitution, national vs. state sovereignty.

**84. Constitutional History of the United States.**—War of 1812, federal judiciary, nullification act, state constitutions, the Civil War.

**85. The Philosophy of History,** based principally on the works of Balmes, Schlegel and Allies.

**86. Church History.**—From the Founding of the Church to the Protestant Reformation, based on the works of Allies, Montalembert, Mann, Janssen, and Pastor. Illustrated lectures including the history and geography of the Holy Land.



## ITALIAN.

**87. Elementary Course.**—Grammar. Conversation. Dictation.

Reading: Bowen's Reader; Cuore, *De Amicis*; Manzoni, *I Promessi Sposi*; Testa *L'Oro e l'Orpello*.

**88. Advanced Course.**—Dante's life and works. Critical study of the *Divina Commedia*.

References: Scartizzini, *Companion to Dante*; Brother Azarias, *Spiritual Idea in Dante's Divina Commedia*.

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## MATHEMATICS.

**89. Algebra.**—

Hawkes, *Advanced Algebra*.

**90. Trigonometry.**—

Wentworth, *Plane and Spherical Trigonometry*.

**91. Analytical Geometry.**—Including the general equation of the second degree.

Wentworth, *Analytical Geometry*.

**92. Analytical Geometry.**—The straight line, the plane and surfaces of revolution.

Wentworth, *Analytical Geometry*.

**93. Calculus.**—Differential and Integral, with applications to geometry, mechanics, engineering and physics.

Osborne, *Differential and Integral Calculus*.

Campbell, *A Short Course in Differential Equations*.



## MECHANICS.

**94. Mechanics.**—Principles of statics and dynamics; elements of hydrostatics.

Loney, *Mechanics and Hydrostatics*.

**95. Mechanics of Materials.**—Resistance and elasticity of materials, cantilever, simple and continuous beams, columns, torsion and shafts, stresses, resilience, tension and compression, flexure in beams, shear and torsion, true and apparent stresses, design and construction of beams in wood and steel, design of girders.

Merriman, *Mechanics of Materials*.

**96. Mechanics of Solids and Liquids.**—

*A knowledge of the calculus will be required for this course.* Statics of concurrent and parallel forces, theory of couples, friction, mass-moments. Theorems of Guldinus. Work and energy. Impulsive forces. Angular velocity and acceleration. Simple harmonic motion. Centroids of surfaces and solids. Moments of inertia with application to engineering problems. The conical and the ordinary pendulum. Pressure due to gravitating liquids, center of pressure, equilibrium of floating bodies. The barometer and its application to hypsometry.

Bowser, *Analytical Mechanics*.

Bowser, *Hydromechanics*.

**97. Thermodynamics.**—Heat, steam, fuel economy, engine construction, engine tests, boiler construction and tests.

Lectures supplemented by visits to plants and examinations of machines in operation.

Jamieson, *The Steam Engine*.

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## ORATORY.

**98. Elocution.**—Beginners' course in the principles of elocution, with weekly exercises.

**99. Elocution.**—Advanced courses in the principles of elocution, with weekly exercises.

**100. Forensics.**—Study and analysis of typical British and American argumentative orations.

**101. Debates.**—Theory of the preparation of debates. Oral discussion of questions of the day.

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## PEDAGOGY.

**102. Principles of Teaching.**—Importance of knowledge of physical, mental, and moral laws. Development of mental power. The teacher and his qualifications. School organization, hygiene, and discipline. Aids to teaching. Art of questioning and answering. Class examinations.

Butler, *The Meaning of Education*.

Dewey, *School and Society*.

Harris, *Psychologic Foundations of Education*.

Horne, *The Philosophy of Education*.

Shaw, *School Hygiene*.

**103. Theory and Practice of Teaching.**—Foundations of method and general principles. Analysis and synthesis. Individual vs. simultaneous method. Class exercises and drill on subjects taught in elementary and secondary schools.

Landon, *Principles and Practice of Teaching*.

Frère Achille, *Méthodologie and Vade Mecum*.

Brothers of the Christian Schools, *Practical Pedagogy*.

**104. History of Education.**—*Pre-Christian Era*: Chinese, Hindoos, Egyptians, Persians, Israelites, Greeks, and Romans. Notes on the educational leaders in each. Education during the Middle Ages: Monasticism, Scholasticism. The Crusades. Rise of Universities. Noted educators.

Brother Azarias, *Educational Essays*.

Drane, *Christian Schools and Scholars*.

**105. History of Education.**—Period of the Renaissance, its characteristics; humanistic educators. Special study of the following educators; Sturm, Loyola, Fénelon, De La Salle, Locke, Rousseau, Basedow, Pestalozzi, Froebel, Comenius, Jacotot, Spencer, Mann, Barnard, Parker. History of the school system of the State of New York.

Monroe, *Text-book in the History of Education*; Davidson, *A History of Education*; Painter, *A History of Education*.

**106. Special Method.**—

Elementary English.

Chubb, *The Teaching of English*.

Arnold, *Reading, How to Teach It*.

Hinsdale, *Teaching the Language Arts*.

Hall, *How to Teach Reading*.

Farnham, *The Sentence Method*.

Secondary English.—

Carpenter, Baker, and Scott, *The Teaching of English*.

Laurie, *Language and Linguistic Method*.

Bates, *Talks on the Study of Literature*.

Corson, *The Aims of Literary Study*.

Elementary History.—

McMurry, *Special Method in History*.

*Report of the Committee of Seven*.

*Report of the Committee of Ten*.

*Report of a Committee of the National Historical Association on the Teaching of History in Elementary Schools*.

Secondary History.—

Bourne, *The Teaching of History and Civics*.

Langlois and Seignobos, *Introduction to the Study of History*.

Lamprecht, *What is History?*

*Report of the Committee of Seven*.

Elementary Mathematics.—

Smith, *The Teaching of Elementary Mathematics*.

McLellon and Dewey, *The Psychology of Number*.

Fitch, *Lectures on Teaching*.

Secondary Mathematics:

Fink, *History of Mathematics*.

Young, *The Teaching of Mathematics in Prussia*.

De Morgan, *On the Study and Difficulties of Mathematics*.

Young, *The Teaching of Mathematics in Secondary Schools*.

Elementary Science:

Redway, *The New Basis of Geography*.

Geikie, *The Teaching of Geography*.

Bailey, *The Nature Study Idea*.

Hodge, *Nature Study and Life*.

Secondary Science:

Lloyd and Bigelow, *The Teaching of Biology*.

Smith and Hall, *The Teaching of Chemistry and Physics*.

Foreign Languages: French and German.

Widgery, *The Teaching of Languages in Schools*.

Bagster-Collins, *The Teaching of German in Secondary Schools*.

*Report of the Committee on Modern Languages*.

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PHILOSOPHY.

**107. Formal Logic.**—The idea. Errors as to the nature of ideas in modern English and German Philosophy. Definition. Division. The nature of judgment. The value of syllogism.

**108. Critical Logic.**—The possibility of certainty. Scepticism. Veracity of the senses and the intellect. Idealism vs. Realism. Universals. Authority and belief.

**109. Method.**—General principles. Special methods. Deduction and induction. Methods of observation. Methods of explanation.

**110. Metaphysics.**—The Aristotelian transcendentals. Reality of substances. Causation. Errors concerning causation. Final causes.

**111. Cosmic Philosophy.**—Nature, origin, and duration of the universe. Ultimate constituents of bodies. Theory of matter and form. Laws of nature. Possibility of miracles. The concepts of natural science and scholastic philosophy.

**112. Psychology.**—Rational vs. experimental psychology; value of each. Faculty, habit, and action. The life principle. Vegetative Life. Theory of sensation. Qualities of sensation. Intellection. Attention. Apperception. Association of ideas. Evolutionism. Heredity. Freedom of will. Spirituality and immortality of the soul. Psychology and the teacher.

**113. Epistemology.**—Critical examination of various theories of knowledge.

**114. Natural Theology.**—Proof of God's existence and providence—Deism, pantheism, agnosticism, atheism. Existence of evil. Preservation of creatures. Divine concurrence.

**115. General Ethics.**—Nature of a human act. Ultimate end of human actions. Determinants of morality. Does the end justify the means? Hindrances to the perfection of a human act. The passions, habit, virtue, vice.

**116. Special Ethics.**—Man's rights and duties as an individual. Man's duties to God. Adoration, love, obedience. Man's duties to his neighbor as regards soul and body. Man's duties to himself as to soul and body. Suicide and dueling.

Man's rights and duties as citizen. The state. Its constituent elements. Its origin, end, scope, and limits.

Common law of nations. Peaceful relations among nations.

Ecclesiastical society. The Church. Its origin and constitution. Its ends and limits. Its superiority to the state. Its mission to the modern world.



**117. Experimental Psychology.**—Elements and general methods. Elements of mental life; sensation, feeling, conation. Experiments on the outer senses and on the association of ideas with special application to Pedagogy.

**118. History of Philosophy.**—Principles of the great Founders of Ancient Schools, their vitality as illustrated in modern views. History of Medieval Philosophy. History of Modern Philosophy. The Neo-Scholastic Movement.

Turner, *History of Philosophy*.

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## PHYSICS.

**119. Light.**—Laws of propagation, velocity and intensity of light. Photometry. Reflection and refraction; formation of images by mirrors and lenses. Spectrum analysis and study of optical instruments.

Glazebrook, *Light*.

**Heat.**—Temperature and its measurement. Expansion of solids, liquids, and gases. Change of state. Conduction, convection, radiation and absorption of heat. Vapor tension. Latent heat and specific heat. Relation between heat and work; energy, actual and potential.

Glazebrook, *Heat*.

**Sound.**—Production and propagation, velocity, reflection, and refraction. Simple cases of resonance and interference. Intensity, pitch, and quality. Transverse vibrations of strings. Longitudinal vibration of columns of air and of rods; vibrations of plates and membranes. Determination of pitch and wave-length. Doppler's principle and applications.



**120 (a). Electricity and Magnetism.**—Fundamental phenomena of static electricity; general laws of distribution and induction. The Leyden jar and other condensers. Influence machines. Atmospheric electricity. Use of quadrant electrometer. Primary and secondary batteries; electromotive force, strength of current, division of current in a network of conductors. Ohm's law and applications. Magnetic, thermal and chemical effects of the current. Laws of electrolysis. Measurement of current and resistance. The electromagnet. Current induction, induction by magnets, the induction coil, discharge in low and high vacua. Continuous-current dynamo and motor; the alternator. The electric transmission of energy. Electric lighting. Thermo-electric currents. Telegraphy and telephony. Wireless telegraphy.

Permanent magnets and molecular theory; magnetic induction; the magnetic circuit. Comparison of magnetic fields. Theory and use of the magnetometer and dip-circle. Terrestrial magnetism and determination of the magnetic elements; magnetic charts.

*The calculus will be freely used throughout this course.*

Nichols and Franklin, *Electricity and Magnetism*.

**120 (b). Physical Laboratory.**—Study of the magnetic field due to a magnet and combination of magnets. Curve of free magnetism. Law of the inverse square. Comparison of magnetic moments. The ratio  $\frac{M}{H}$  also the product  $MH$ . Determination of magnetic dip. Laying out the meridian; magnetic declination. Measurement of electromotive force, resistance of conductors, and capacity of condensers. Battery resistance and current strength. Measurements relating to storage batteries. Use of the tangent galvanometer, ammeter and voltmeter for direct and alternating currents; the wattmeter and electrodynanometer; the copper voltameter. Quantitative estimate of heat development in a circuit.

Karapetoff, *Experimental Electrical Engineering*.

## RELIGION.

### CHRISTIAN DOCTRINE.

**121. Dogma.**—Explanation of the principal dogmas, with special insistence on the continuity of the Church. The Church and science. Objections.

Christian Brothers, *Manual of Christian Doctrine*.

**122. Moral.**—Explanation of the fundamental principles of Christian morality as contained in the decalogue.

Christian Brothers, *Manual of Christian Doctrine*.

**123. Worship.**—Grace, prayer and the sacraments, with special references to the Council of Trent and the tenets of Protestantism.

Christian Brothers, *Manual of Christian Doctrine*.

**124. Apologetics.**—Nature and necessity of Revelation. Its criteria. Modern objections.

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## SPANISH.

**125. Elementary Course.**—Grammar, reading, dictation, composition; De Tornos' Method; Ramsey's *Elementary Reader*; Alarcon, *El Capitan Veneo*; Galdós, *Doña Perfecta*, *Marianela*; Valera, *El Pájaro Verde*; Fernandez de Moratin, *El Si de las Niñas*.

**126. Intermediate Course.**—Grammar, reading, dictation, composition; Ford's *Spanish Composition*; Valdes, *José*; Cervantes, *Don Quijote*; Larra, *Partir á Tiempo*; Pereda, *Pedro Sanchez*; Valera, *Estudios Criticos*.

**127. Advanced Course.**—Composition, reading of classic dramas: Calderon, *El Principe Constante*; *La Vida es Sueño*; Lope de Vega, *La Estrella de Sevilla*. Study of Spanish Literature.

Reference: Fitz-James Kelly, *History of Spanish Literature*.

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| BAFFREY, VICTOR E.                             | '10 | NEW YORK CITY           |
| BANNAN, JOHN F., M.A.                          | '83 | NORTH ANDOVER, MASS.    |
| *BARAT, FRANCIS M., F.S.C., M.A. <i>c.h.</i> § | '00 | NEW YORK CITY           |
| BARRETT, CHARLES J., M.A.                      | '08 | NEW YORK CITY           |
| *BARRY, WALTER J.                              | '96 | NEW YORK CITY           |
| BARRY, JOHN H., M.S., M.D.                     | '87 | LONG ISLAND CITY, N. Y. |
| BARTLEY, REV. JAMES R.                         | '99 | PROVIDENCE, R. I.       |
| BELLEW, MAURICE J., M.A.                       | '97 | ROCHESTER, N. Y.        |
| BENNETT, JOSEPH W., C.E.                       | '98 | NEW YORK CITY           |
| *BERGEN, GEORGE A.                             | '75 | NEW YORK CITY           |
| BERRY, RICHARD A., C.E.                        | '03 | NEW YORK CITY           |
| *BIGLEY, REV. JOSEPH A., M.A.                  | '73 | NEW YORK CITY           |
| BIRMINGHAM, EDWARD A.                          | '99 | BRIDGEPORT, CONN.       |
| BIRMINGHAM, ABRAM W.                           | '00 | NEW YORK CITY           |
| *BOERUM, JOHN T.                               | '81 | OYSTER BAY, N. Y.       |
| BOLAND, WILLIAM F.                             | '89 | NEW YORK CITY           |
| BOLAND, REV. BERNARD J.                        | '98 | SOMERSET, KY.           |
| BOLEN, JOHN C.                                 | '84 | BROOKLYN, N. Y.         |
| BOLGER, EDWIN A., M.A.                         | '00 | BROOKLYN, N. Y.         |
| BOLTON, JOHN H.                                | '09 | ALBANY, N. Y.           |
| BOWYER, HENRY M., M.A.                         | '73 | NEW YORK CITY           |
| BOYD, GEORGE H.                                | '09 | NEW YORK CITY           |
| BOYLAN, JAMES A., M.A.                         | '91 | NEW YORK CITY           |
| *BOYLE, JAMES R.                               | '98 | NEW YORK CITY           |
| BRADY, REV. BERNARD F., M.A.                   | '82 | NEW YORK CITY           |
| BRADY, JAMES C.                                | '85 | NEW YORK CITY           |
| BRADY, JOHN J., M.A.                           | '88 | ALBANY, N. Y.           |
| *BRENNAN, REV. P. H., M.A.                     | '71 | NEW YORK CITY           |
| BRENNAN, JOHN F., M.A.                         | '75 | YONKERS, N. Y.          |
| BRENNAN, REV. JOSEPH P., M.A.                  | '75 | NEW YORK CITY           |

\*Deceased.

§*c.h.*, *causa honoris*.

|                                               |     |                       |
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| BRENNAN, JOHN A. . . . .                      | '75 | NEW YORK CITY         |
| *BRENNAN, JAMES J., M.A. . . . .              | '81 | NEW YORK CITY         |
| BRENNAN, ANDREW J. . . . .                    | '81 | NEW YORK CITY         |
| BRENNAN, REV. JOHN C. . . . .                 | '91 | LAKEVILLE, CONN.      |
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| BRITT, PHILIP J. . . . .                      | '85 | NEW YORK CITY         |
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| BROWN, REV. JAMES J. . . . .                  | '88 | YONKERS, N. Y.        |
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| BURKE, DION W., JR. . . . .                   | '02 | NEW YORK CITY         |
| BURKE, WILLIAM J. . . . .                     | '94 | NEW YORK CITY         |
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| BYRNES, REV. JAMES M., M.A. . . . .           | '74 | NEW YORK CITY         |
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| BYRNES, WILLIAM T. . . . .                    | '05 | ASTORIA, L. I.        |
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| CAHILL, James A. . . . .                      | '99 | PROVIDENCE, R. I.     |
| CAHILL, WILLIAM J., M.A. . . . .              | '02 | ALBANY, N. Y.         |
| CALLAHAN, DENIS G., M.D. . . . .              | '97 | BROOKLYN, N. Y.       |
| CALLAN, WILLIAM J., M.A., M.D. . . . .        | '79 | BROOKLYN, N. Y.       |
| CAMPBELL, MICHAEL J. . . . .                  | '81 | BROOKLYN, N. Y.       |
| *CAMPBELL, PETER J., M.D. . . . .             | '90 | UTICA, N. Y.          |
| CAPONIGRI, JOSEPH F. . . . .                  | '02 | NEW YORK CITY         |
| CAREY, JAMES T., M.A. . . . .                 | '73 | NEW YORK CITY         |
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| *CARNEY, REV. MICHAEL . . . . .               | '70 | DEERFIELD, N. Y.      |
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| CARR, REV. JOHN J., M.A. . . . .              | '78 | WILLIAMSBRIDGE, N. Y. |
| CARR, REV. PATRICK F., M.A. . . . .           | '87 | DUNSMUIR, CAL.        |



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| CHERRY, REV. DANIEL F. . . . .                  | '83 | . BROOKLYN, N. Y.      |
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| CLARKE, THOMAS F. . . . .                       | '67 | . UTICA, N. Y.         |
| *CLARKIN, PHILIP P. . . . .                     | '86 | . NEW YORK CITY        |
| CLARKIN, HENRY J., C.E. . . . .                 | '04 | . NEW YORK CITY        |
| CLAYTON, EUGENE F., C.E. . . . .                | '02 | . BROOKLYN, N. Y.      |
| CLEARY, WILLIAM J. . . . .                      | '98 | . BROOKLYN, N. Y.      |
| CLOGHER, AMBROSE . . . . .                      | '94 | . PITTSFIELD, MASS.    |
| CLOGHER, WILLIAM E. . . . .                     | '94 | . HINSDALE, MASS.      |
| COCKRAN, W. BOURKE, LL.D. <i>c.h.</i> . . . .   | '02 | . NEW YORK CITY        |
| COFFEY, REV. JAMES M. . . . .                   | '84 | . MANSFIELD, MASS.     |
| COFFEY, REV. JOHN C., LL.D. <i>c.h.</i> . . . . | '85 | . ONTARIO, CANADA      |
| COHALAN, DANIEL F., M.A. . . . .                | '85 | . NEW YORK CITY        |
| COHALAN, MICHAEL J., M.A. . . . .               | '89 | . NEW YORK CITY        |
| COHALAN, JOHN P. . . . .                        | '93 | . NEW YORK CITY        |
| COHALAN, TIMOTHY E., M.A. . . . .               | '97 | . NEW YORK CITY        |
| COHALAN, DENIS O'LEARY . . . . .                | '02 | . NEW YORK CITY        |
| COLEMAN, REV. THOMAS J., M.A. . . . .           | '71 | . FAIRFIELD, CONN.     |
| COLGAN, REV. EDWARD J., M.A. . . . .            | '87 | . WARREN, R. I.        |
| COLLINS, REV. JAMES A. . . . .                  | '90 | . OSSINING, N. Y.      |
| COLLINS, CORNELIUS A. . . . .                   | '94 | . NEW BRIGHTON, N. Y.  |
| CONATY, REV. PETER P. . . . .                   | '97 | . NEW YORK CITY        |
| CONCANNON, MALACHY J. . . . .                   | '83 | . IRELAND              |
| *CONDON, RICHARD L., M.A. . . . .               | '75 | . YONKERS, N. Y.       |
| CONKLIN, WILLIAM A. <i>c.h.</i> . . . .         | '81 | . NEW YORK CITY        |
| CONLAN, JOSEPH J., F.S.C., M.A. . . . .         | '81 | . NEW YORK CITY        |
| CONLAN, REV. JOHN A. . . . .                    | '95 | . MERIDEN, CONN.       |
| CONNELL, EDWARD J., M.D. . . . .                | '95 | . BEDFORD PARK, N. Y.  |
| CONNELL, JOHN A. . . . .                        | '00 | . NEW YORK CITY        |
| CONNELLY, JOSEPH A. . . . .                     | '02 | . NEW YORK CITY        |
| CONOLLY, JOHN N. . . . .                        | '04 | . ROCKAWAY PARK, N. Y. |
| CONNOLLY, REV. WILLIAM T. . . . .               | '97 | . SHRUB OAK, N. Y.     |
| CONNOR, DANIEL P. . . . .                       | '94 | . MANCHESTER, N. H.    |
| CONNOR, FRANCIS J. . . . .                      | '94 | . NEW YORK CITY        |
| *COONEY, JOHN H. . . . .                        | '70 | . ALBANY, N. Y.        |
| CONSIDINE, REV. MICHAEL J., M.A. . . . .        | '76 | . NEW YORK CITY        |

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| *CORCORAN, CHARLES H. . . . .                       | '82 | NEW YORK CITY        |
| CORLEY, REV. CHARLES R., LL.D., <i>c.h.</i> . . . . | '08 | YONKERS, N. Y.       |
| CORRIDAN, REV. JAMES P. . . . .                     | '97 | SYLVAN LAKE, N. Y.   |
| *CORR, REV. JOHN J. . . . .                         | '70 | NEW YORK CITY        |
| CORR, NICHOLAS F. . . . .                           | '84 | NEW YORK CITY        |
| *COSTAIN, JAMES E., M.A. . . . .                    | '80 | WESTFIELD, MASS.     |
| COSTELLO, RICHARD R., M.A. . . . .                  | '95 | NEW YORK CITY        |
| COSTELLO, CHARLES A., M.S. . . . .                  | '97 | NEW YORK CITY        |
| COSTELLO, EDWARD T. . . . .                         | '05 | NEW YORK CITY        |
| COSTIGAN, GREGORY J., M.A., M.D. . . . .            | '88 | NEW YORK CITY        |
| COTTER, REV. JAMES H., M.A., LL.D. . . . .          | '77 | IRONTON, OHIO.       |
| COTTER, REV. DANIEL J. . . . .                      | '98 | LINCOLN, N. H.       |
| COTTER, GARRET W., M.A. . . . .                     | '01 | FLATBUSH, N. Y.      |
| COUCH, JOHN F. . . . .                              | '85 | NEW YORK CITY        |
| COUGHLIN, WILLIAM H. . . . .                        | '91 | PROVIDENCE, R. I.    |
| COULEHAN, JAMES MCCARTHY . . . . .                  | '10 | WASHINGTON, D. C.    |
| COX, MATTHEW H. . . . .                             | '98 | NEW YORK CITY        |
| CRAIG, REV. FRANCIS B. . . . .                      | '80 | PROVIDENCE, R. I.    |
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| *CREEDEN, REV. JOHN B., M.A. . . . .                | '74 | NEW YORK CITY        |
| CROAK, WILLIAM THOMAS . . . . .                     | '95 | PORT RICHMOND, S. I. |
| CROSBY, REV. JAMES L., M.A. . . . .                 | '72 | NYACK, N. Y.         |
| CROWLEY, REV. CORNELIUS, S.T.L. . . . .             | '89 | NEW YORK CITY        |
| CRUMMEY, FRANCIS J., M.D. . . . .                   | '91 | ALBANY, N. Y.        |
| CUDDY, JAMES K. . . . .                             | '93 | YONKERS, N. Y.       |
| CULLEN, MICHAEL A. . . . .                          | '84 | NEW YORK CITY        |
| CULLEN, JOHN A. . . . .                             | '03 | NEWARK, N. J.        |
| CULLINAN, RICHARD J. . . . .                        | '07 | NEW YORK CITY        |
| CUMMINGS, REV. FRANCIS P., M.A. . . . .             | '94 | NEW YORK CITY        |
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| *CUMMISKEY, REV. JAMES P., M.A. . . . .             | '76 | NEW YORK CITY        |
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| *CUNNINGHAM, CHRISTOPHER P. . . . .                 | '70 | BROOKLYN, N. Y.      |
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| CUNNION, REV. DANIEL C., M.A. . . . .               | '80 | NEW YORK CITY        |
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| CUNNION, REV. A. DUDLEY . . . . .                   | '90 | NEW YORK CITY        |
| CUOCO, GERARD J., M.A. . . . .                      | '00 | NEW YORK CITY        |
| *CURRAN, JOHN J., LL.D. <i>c.h.</i> . . . .         | '81 | MONTREAL, CANADA     |
| CURRAN, FRANCIS J., M.A. . . . .                    | '90 | MONTREAL, CANADA     |
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| DALTON, JAMES F. . . . .                          | '97 . | YONKERS, N. Y.     |
| DARDIS, JOHN M. . . . .                           | '88 . | NEW YORK CITY      |
| DAVID, JOSEPH T. . . . .                          | '04 . | BROOKLYN, N. Y.    |
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| *DEERING, EDWARD M. . . . .                       | '71 . | NEW YORK CITY      |
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| DEEVY, REV. EDWARD J. . . . .                     | '05 . | NEW YORK CITY      |
| DEEVY, WILLIAM J. . . . .                         | '07 . | NEW YORK CITY      |
| DEGNAN, PHILIP J. . . . .                         | '10 . | NEW YORK CITY      |
| DE KONINCK, JOSEPH M., M.A. . . . .               | '68 . | BROOKLYN, N. Y.    |
| *DELANEY, JAMES J., M.A. . . . .                  | '66 . | BROOKLYN, N. Y.    |
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| DELANEY, WALTER J. . . . .                        | '05 . | NEW YORK CITY      |
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| DEVLIN, MICHAEL E., M.A. . . . .                  | '75 . | WESTCHESTER, N. Y. |
| DEVEREAUX, JOHN R., M.A., M.D. . . . .            | '89 . | PHILADELPHIA, PA.  |
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| *DONAHUE, REV. JAMES P., M.A. <i>c.h.</i> . . . . | '89 . | DOBBS FERRY, N. Y. |
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| DONNELLY, REV. PETER J. . . . .                  | '87 | . PALMERS FALLS, N. Y. |
| *DONNELLY, JAMES E. . . . .                      | '91 | . NEW YORK CITY        |
| DONNELLY, NICHOLAS A. . . . .                    | '93 | . NEW YORK CITY        |
| *DOOLEY, REV. JAMES A., M.A. . . .               | '85 | . NEW YORK CITY        |
| *DOOLEY, JAMES P., F.S.C., M.A. . .              | '93 | . WASHINGTON, D. C.    |
| DOOLEY, REV. MARTIN F. . . . .                   | '96 | . CENTERVILLE, S. D.   |
| DOOLEY, REV. WM. P. F. . . . .                   | '97 | . NEW YORK CITY        |
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| DORAN, REV. WM. A. . . . .                       | '91 | . NEWPORT, R. I.       |
| DORN, JACOB J., M.A. . . . .                     | '96 | . BROOKLYN, N. Y.      |
| *DOUGHERTY, REV. MAURICE J., M.A.                | '72 | . NEW YORK CITY        |
| DOUGHERTY, REV. DANIEL M. . . .                  | '00 | . KINGSTON, N. Y.      |
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| DOUGHERTY, WILLIAM J. . . . .                    | '09 | . NEW YORK CITY        |
| DOWD, REV. JOHN J. . . . .                       | '97 | . SCHENECTADY, N. Y.   |
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| DOWNEY, THOMAS F. . . . .                        | '86 | . BROOKLYN, N. Y.      |
| DOYLE, REV. WALTER A. . . . .                    | '94 | . WHITESBORO, N. Y.    |
| DOYLE, JOHN . . . . .                            | '97 | . LYONS FALLS, N. Y.   |
| DOYLE, REV. THOMAS J. . . . .                    | '01 | . NEW YORK CITY        |
| DOYLE, CHARLES A. . . . .                        | '02 | . BROOKLYN, N. Y.      |
| DOYLE, V. REV. A. P., C.S.P., LL.D., <i>c.h.</i> | '06 | . WASHINGTON, D. C.    |
| DRISCOLL, REV. JOHN T., M.A., S.T.L.             | '85 | . FONDA, N. Y.         |
| *DRISCOLL, REV. TIMOTHY L. . . .                 | '89 | . NEW YORK CITY        |
| *DROOGAN, CORNELIUS J., M.A. . .                 | '88 | . TANNERVILLE, N. Y.   |
| DRUM, THOMAS A. . . . .                          | '83 | . JERSEY CITY, N. J.   |
| DUANE, JOHN F., M.A. . . . .                     | '95 | . BROOKLYN, N. Y.      |
| *DUFFY, REV. JOHN F., M.A. . . .                 | '76 | . NEW YORK CITY        |
| DUFFY, REV. MICHAEL J. . . . .                   | '85 | . CROTON FALLS, N. Y.  |
| DUGAN, TIMOTHY J. . . . .                        | '07 | . NEW YORK CITY        |
| DUGGAN, REV. MATTHEW J. . . . .                  | '99 | . NEW YORK CITY        |
| *DUNN, JOHN L., M.A. . . . .                     | '78 | . TROY, N. Y.          |
| DUNN, EDWARD A. . . . .                          | '84 | . BROOKLYN N. Y.       |
| DUNN, REV. JOHN S., J.C.B., S.T.L.               | '91 | . PROVIDENCE, R. I.    |
| DUNNEY, REV. JOSEPH A. . . . .                   | '01 | . ALBANY, N. Y.        |
| DUNPHY, EDWARD P. . . . .                        | '92 | . NEWBURGH, N. Y.      |
| DWYER, REV. AMBROSE M. . . . .                   | '90 | . LESTERSHIRE, N. Y.   |
| DWYER, REV. WM. MARTIN, M.A. . .                 | '99 | . SYRACUSE, N. Y.      |

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| EILENBECKER, PETER A., F.S.C., M.A. | '93 | . MANILA, P. I.    |

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| *ELLIOTT, GEORGE A., M.A., M.D. . .        | '87 | NEW YORK CITY           |
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| ETTINGER, WM. L., M.A., M.D. . . .         | '81 | NEW YORK CITY           |
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| *FAGAN, EDWARD F., M.A., Ph.D . .          | '69 | NEW YORK CITY           |
| FAGAN, REV. FRANCIS M., M.A. . . .         | '83 | NEW YORK CITY           |
| FAHEY, REV. JOHN T. . . . .                | '90 | PROVIDENCE, R. I.       |
| *FARLEY, EDWARD J. . . . .                 | '95 | NEW YORK CITY           |
| *FARLEY, JOSEPH A., M.A. . . . .           | '96 | NEW YORK CITY           |
| FARLEY, JOSEPH B. . . . .                  | '03 | BROOKLYN, N. Y.         |
| *FARR, WM. LOUIS, F.S.C., M.S. . . .       | '93 | NEW YORK CITY           |
| FARRAR, REV. JOHN W. . . . .               | '91 | OSWEGO, N. Y.           |
| *FARRELL, REV. WM. A., M.A., LL.D.         | '71 | NEW YORK CITY           |
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| FARRELL, REV. WILLIAM B. . . . .           | '87 | BROOKLYN, N. Y.         |
| FARRELL, REV. JOSEPH A. . . . .            | '95 | NEW BRIGHTON, N. Y.     |
| FARRELL, WILLIAM B. . . . .                | '03 | NEW YORK CITY           |
| FARRELLY, REV. THOMAS B. . . . .           | '92 | NEW YORK CITY           |
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| FERDINAND, JNO. E., M.A., M.D. . .         | '68 | CLIFFSIDE PARK, N. J.   |
| FERNANDEZ, JOSÉ F., M.D. . . . .           | '83 | NEW YORK CITY           |
| FERRER, JOSÉ M., M.A., M.D. . . . .        | '76 | NEW YORK CITY           |
| *FERRY, CHAS. A. . . . .                   | '93 | NEW YORK CITY           |
| FINLEY, WILLIAM, M.A. . . . .              | '85 | NEW YORK CITY           |
| *FINN, LAWRENCE B. . . . .                 | '76 | COHOES, N. Y.           |
| *FISHER, JAMES B., M.A. . . . .            | '72 | NEW YORK CITY           |
| FITZGERALD, JOHN J., M.A. . . . .          | '91 | BROOKLYN, N. Y.         |
| FITZGERALD, JOHN P., M.A. . . . .          | '00 | MANILA, P. I.           |
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| FITZSIMMONS, REV. J. F., M.A., S.T.L.      | '85 | NEW YORK CITY           |
| FITZSIMMONS, THOMAS J. . . . .             | '87 | NEW YORK CITY           |
| FITZSIMMONS, WM. P., F.S.C., C.E. .        | '05 | NEW YORK CITY           |
| FLAHERTY, REV. EDMUND P., S.T.L.           | '92 | BROOKLYN, N. Y.         |
| FLANAGAN, JOHN H. . . . .                  | '92 | PROVIDENCE, R. I.       |
| FLANAGAN, WILLIAM F., M.A., M.D.           | '95 | PROVIDENCE, R. I.       |
| FLANIGAN, JAMES F., C.E. . . . .           | '06 | OSWEGO, N. Y.           |
| FLANNELLY, REV. J. F., M.A., <i>c.h.</i> . | '93 | NEW YORK CITY           |
| FLOOD, REV. THOMAS F. . . . .              | '87 | NEW YORK CITY           |
| *FLYNN, LUKE M., M.A. . . . .              | '79 | NEW YORK CITY           |
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| *FOY, REV. WM. J., M.A. . . . .                 | '70 | NEW YORK CITY         |
| FOY, WILLIAM J. . . . .                         | '09 | NEW YORK CITY         |
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| GALLAGHER, FRANCIS C. . . . .                   | '80 | BROOKLYN, N. Y.       |
| *GALLAGHER, EDWARD M. . . . .                   | '85 | OSSINING, N. Y.       |
| GALLAGHER, JAMES T., M.A., M.D. . .             | '89 | BROOKLYN, N. Y.       |
| GALLIGAN, REV. CHAS. J. . . . .                 | '84 | LYKENS, PA.           |
| GALWAY, THOS. F., M.A., <i>c.h.</i> . . .       | '90 | NEW YORK CITY         |
| GANLEY, JOHN M. . . . .                         | '00 | FORT EDWARD, N. Y.    |
| GANLEY, FRANCIS L. . . . .                      | '03 | FORT EDWARD, N. Y.    |
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| GARDINER, REV. JOHN F. . . . .                  | '85 | OLEAN, N. Y.          |
| GARDINER, REV. WM. A. . . . .                   | '87 | BATH BEACH, N. Y.     |
| GARLAND, HENRY L., M.A. . . . .                 | '86 | NEW ORLEANS, LA.      |
| GARLAND, ROBERT E. L. . . . .                   | '87 | OPELOUSAS, LA.        |
| GARNETT, THOMAS F. . . . .                      | '70 | WATERTOWN, N. Y.      |
| GEARON, WILLIAM A. . . . .                      | '01 | NEW YORK CITY         |
| GELT, GABRIEL E. . . . .                        | '82 | HAVANA, CUBA          |
| GIBLIN, JAMES M. . . . .                        | '89 | NEW YORK CITY         |
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| GILMARTIN, REV. PATRICK J. . . .                | '00 | NEW YORK CITY         |
| GLEASON, EDWIN S. . . . .                       | '96 | NEW YORK CITY         |
| *GLEESON, WILLIAM E. R. . . . .                 | '81 | PITTSBURGH, PA.       |
| GLEESON, REV. MATTHEW C., M.A. . .              | '91 | BROOKLYN, N. Y.       |
| GLEESON, JAMES J., M.D. . . . .                 | '94 | NEW YORK CITY         |
| GLENNON, JOSEPH J. . . . .                      | '97 | NEW YORK CITY         |
| GLINNEN, WILLIAM J., M.D. . . . .               | '94 | BROOKLYN, N. Y.       |
| *GLOVER, ROBERT O., M.A. . . . .                | '66 | NEW YORK CITY         |
| GLOVER, FREDERICK R., M.A., M.D., <i>c.h.</i> . | '85 | MOUNT VERNON, N. Y.   |
| GOGGIN, REV. JAMES E., M.A. . . .               | '86 | PAWLING, N. Y.        |
| GOLDEN, JAMES J. . . . .                        | '00 | NEW YORK CITY         |
| GOVERN, EDWARD J., C.E. . . . .                 | '93 | ROCHESTER, N. Y.      |
| GRACE, WILLIAM J. . . . .                       | '94 | SYRACUSE, N. Y.       |
| *GRADY, REV. JOHN M., M.A. . . .                | '69 | NEW YORK CITY         |
| *GRADY, JAMES J., M.A. . . . .                  | '73 | NEW YORK CITY         |
| GRADY, THOMAS F., M.A., <i>c.h.</i> . . .       | '80 | NEW YORK CITY         |
| GRADY, WALTER L. . . . .                        | '10 | BROOKLYN, N. Y.       |
| *GRANT, HUGH J., M.A., <i>c.h.</i> . . . .      | '10 | NEW YORK.             |
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| GREENE, REV. JOHN J., M.A. . . . .          | '79 | HARTLAND, ILL.          |
| GREENE, JAMES B., M.A. . . . .              | '89 | WASHINGTON, D. C.       |
| GRIFFIN, FRANK J., M.A. . . . .             | '91 | NEW YORK CITY           |
| *GRIFFITH, WILLIAM H. . . . .               | '80 | NEW YORK CITY           |
| *GROVE, JOHN H., M.D., LL.D., <i>c.h.</i>   | '81 | PHILADELPHIA, PA.       |
| GUINAN, REV. WILLIAM J., D.D. . . . .       | '82 | NEW YORK CITY           |
| GUTIERREZ, JOSÉ A. . . . .                  | '10 | SAN JOSÉ, COSTA RICA    |
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| HAGGERTY, WILLIAM F. . . . .                | '79 | NEW YORK CITY           |
| HAGGERTY, TIMOTHY J. . . . .                | '88 | BROOKLYN, N. Y.         |
| *HAGGERTY, JOHN J., F.S.C., M.S. . . . .    | '93 | NEW YORK CITY           |
| HAGGERTY, DANIEL C. . . . .                 | '04 | NEW YORK CITY           |
| *HAHN, GEORGE V., F.S.C. . . . .            | '93 | NEW YORK CITY           |
| HALL, REV. JAMES J., M.A. . . . .           | '78 | SOUTH ORANGE, N. J.     |
| *HALLORAN, REV. EDWARD J., <i>c.h.</i>      | '91 | NEW YORK CITY           |
| HALPIN, PAUL J., M.A., <i>c.h.</i> . . . .  | '91 | NEW YORK CITY           |
| HAMMER, GEORGE F., F.S.C. . . . .           | '95 | PROVIDENCE, R. I.       |
| HANLEY, REV. PETER A., M.A. . . . .         | '99 | PROVIDENCE, R. I.       |
| *HANNIGAN, REV. FRANCIS E., M.A.            | '79 | NEW YORK CITY           |
| HANRAHAN, EDWARD A. . . . .                 | '06 | NEW YORK CITY           |
| HARRINGTON, REV. JOHN J. . . . .            | '90 | NEW YORK CITY           |
| *HASSETT, EDWARD, M.A., <i>c.h.</i> . . . . | '93 | NEW YORK CITY           |
| HAVARD, LT. COL. VALERY, M.S., M.D.         | '68 | FAIRFIELD, CONN.        |
| *HAWKINS, WILLIAM J. . . . .                | '85 | RED BANK, N. J.         |
| HAYES, REV. JAMES W., M.A. . . . .          | '71 | NEW BRUNSWICK, N. J.    |
| HAYES, RT. REV. MGR. P. J., M.A. . . . .    | '88 | NEW YORK CITY           |
| HAYES, REV. ALBERT J. . . . .               | '88 | UTICA, N. Y.            |
| HAYES, DERMOT J., M.D. . . . .              | '91 | TORRINGTON, CONN.       |
| HEAFY, REV. THOS. J., M.A., S.T.B.          | '86 | CROTON-ON-HUDSON, N. Y. |
| HEALEY, JOHN E. . . . .                     | '01 | TROY, N. Y.             |
| HEFELE, GEORGE H., C.E. . . . .             | '92 | NEW YORK CITY           |
| HENNESSEY, FRANCIS X . . . . .              | '06 | NEW YORK CITY           |
| HENRICH, JOSEPH C. . . . .                  | '09 | NEW YORK CITY           |
| HENRY, REV. EDWARD B. . . . .               | '95 | NORTH WHITFIELD, ME.    |
| HENRY, REV. WALTER G. . . . .               | '98 | NEW YORK CITY           |
| *HEROLD, JOHN B., F.S.C., M.A. . . . .      | '76 | NEW YORK CITY           |
| HEROLD, JUSTIN B., M.A., M.D., <i>c.h.</i>  | '87 | NEW YORK CITY           |
| HICKEY, VALENTINE P. . . . .                | '95 | BROOKLYN, N. Y.         |
| *HIGGINS, REV. JOHN C., M.A. . . . .        | '79 | SYRACUSE, N. Y.         |
| *HIGGINS, REV. EDWARD J. . . . .            | '87 | ALBANY, N. Y.           |
| HIGGINS, LUKE A. . . . .                    | '10 | BROOKLYN, N. Y.         |
| HOCTOR, JAMES E. . . . .                    | '85 | NEW YORK CITY           |

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| HOLLAND, REV. CORNELIUS J. . . . .               | '95 | . PROVIDENCE, R. I.   |
| HOLLAND, REV. JOSEPH F. . . . .                  | '00 | . NEW YORK CITY       |
| HOLLAND, JOHN P., M.S., <i>c.h.</i> . . . .      | '05 | . SOUTH ORANGE, N. J. |
| HOLMES, WILLIAM T. . . . .                       | '10 | . BROOKLYN, N. Y.     |
| HOPKINS, OTIS A., M.A. . . . .                   | '75 | . BINGHAMPTON, N. Y.  |
| HOPKINS, REV. JOSEPH A., M.A. . . . .            | '87 | . OSWEGO, N. Y.       |
| *HORAN, REV. MICHAEL F. . . . .                  | '88 | . NEW YORK CITY       |
| *HOWARD, REV. JOHN J. . . . .                    | '77 | . HUDSON, N. Y.       |
| HOULIHAN, JOSEPH T. . . . .                      | '09 | . NEW YORK CITY       |
| HUGHES, JAMES J. . . . .                         | '91 | . NEW YORK CITY       |
| *HUGHES, WILLIAM C., M.A. . . . .                | '96 | . BROOKLYN, N. Y.     |
| HUNT, JOSEPH L. . . . .                          | '98 | . NEW YORK CITY       |
| *HURLEY, REV. JOHN A., M.A. . . . .              | '71 | . FISHKILL, N. Y.     |
| HURLEY, DANIEL J. . . . .                        | '83 | . BROOKLYN, N. Y.     |
| HYNES, JOSEPH E. . . . .                         | '05 | . TROY, N. Y.         |
|                                                  |     |                       |
| *IRVING, REV. THOMAS H. . . . .                  | '80 | . OSSINING, N. Y.     |
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| JACKSON, JOSEPH R. . . . .                       | '00 | . BUTTE, MONTANA      |
| JOHNSTON, REV. WILLIAM J. . . . .                | '93 | . NEW YORK CITY       |
| JORDAN, REV. JOHN T., M.A. . . . .               | '98 | . NEW YORK CITY       |
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| KANE, JOSEPH J., M.A., M.D. . . . .              | '89 | . BUFFALO, N. Y.      |
| KANE, JAMES J., M.A. . . . .                     | '01 | . BROOKLYN, N. Y.     |
| *KAVANAGH, DANIEL A. . . . .                     | '81 | . CINCINNATI, OHIO    |
| KEAN, REV. JOHN J., M.A., LL.D. . . . .          | '66 | . NEW YORK CITY       |
| KEAN, JOHN J., M.A. . . . .                      | '02 | . BROOKLYN, N. Y.     |
| KEARNEY, ALFRED A. . . . .                       | '79 | . NEW YORK CITY       |
| KEARNEY, CHARLES R. . . . .                      | '82 | . NEW YORK CITY       |
| KEARNEY, JOHN J. . . . .                         | '92 | . NEW YORK CITY       |
| KEARNS, THOMAS J. . . . .                        | '02 | . NEW YORK CITY       |
| KEEFE, JOHN W., M.D., LL.D., <i>c.h.</i> . . . . | '09 | . PROVIDENCE, R. I.   |
| KEEFE, REV. RICHARD J., M.A. . . . .             | '76 | . WHITE PLAINS, N. Y. |
| KEENAN, REV. THOMAS J., M.A. . . . .             | '85 | . TUXEDO, N. Y.       |
| KEENAN, JAMES P., M.A. . . . .                   | '91 | . NEW YORK CITY       |
| *KEENAN, HENRY C., M.A., M.D. . . . .            | '92 | . BROOKLYN, N. Y.     |
| KEENAN, ALBERT J., M.D. . . . .                  | '97 | . BROOKLYN, N. Y.     |
| KELIHER, REV. MICHAEL F. . . . .                 | '87 | . NEW YORK CITY       |
| *KELLY, THEODORE S. . . . .                      | '71 | . BROOKLYN, N. Y.     |
| *KELLY, REV. CORNELIUS S. . . . .                | '84 | . RUMFORD, R. I.      |
| KELLY, EDWARD H., M.A. . . . .                   | '85 | . NEW YORK CITY       |
| KELLY, FRANCIS R. . . . .                        | '94 | . NEW YORK CITY       |

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| KELLY, REV. JOHN T. . . . .                    | '96 | NEW YORK CITY           |
| KELLY, THOMAS P., F.S.C., C.E. . . . .         | '99 | OAKLAND, CAL.           |
| KELLY, REV. THOMAS A. . . . .                  | '90 | FALL RIVER, MASS.       |
| *KENNAH, JAMES B. . . . .                      | '85 | ALBANY, N. Y.           |
| *KENNEDY, JOHN J. . . . .                      | '80 | NEW YORK CITY           |
| KENNEDY, LEO E. . . . .                        | '95 | BROOKLYN, N. Y.         |
| *KENNY, REV. JOHN H., M.A. . . . .             | '83 | NEW YORK CITY           |
| KENNEY, REV. JOHN L. . . . .                   | '99 | NEW YORK CITY           |
| KEOGH, MARTIN J., LL.D. <i>c.h.</i> . . . .    | '03 | NEW ROCHELLE, N. Y.     |
| KERENS, RICHARD, JR., M.A. . . . .             | '95 | ST. LOUIS, MO.          |
| KERWIN, REV. WILLIAM T. . . . .                | '93 | BROOKLYN, N. Y.         |
| KIFFIN, JOHN E., M.A. . . . .                  | '99 | LONG ISLAND CITY, N. Y. |
| KILDUFF, REV. JOHN J. . . . .                  | '01 | ALBANY, N. Y.           |
| KING, THOMAS J. . . . .                        | '99 | PROVIDENCE, R. I.       |
| KINNEY, PATRICK R., M.A. . . . .               | '02 | NEW YORK CITY           |
| *KIRBY, REV. WILLIAM S. . . . .                | '85 | SOUTHAMPTON, N. Y.      |
| KIRBY, REV. JAMES P. . . . .                   | '00 | SHELBURNE FALLS, MASS.  |
| *KOINE, CHARLES M. . . . .                     | '85 | BUFFALO, N. Y.          |
| KRACHT, GEORGE H., M.A., <i>c.h.</i> . . . .   | '76 | NEW YORK CITY           |
| KUERZI, FRANCIS J. . . . .                     | '96 | NEW YORK CITY           |
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| LADEN, JAMES E. . . . .                        | '04 | NEW YORK CITY           |
| LALLY, MICHAEL J. . . . .                      | '90 | NEW YORK CITY           |
| *LALOR, JOHN J., M.A., <i>c.h.</i> . . . .     | '69 | MILWAUKEE, WIS.         |
| LANDY, JAMES T., C.E. . . . .                  | '05 | NEW YORK CITY           |
| LANE, THOMAS R., M.A. . . . .                  | '73 | NEW YORK CITY           |
| *LANE, WILLIAM E. . . . .                      | '77 | HUDSON, N. Y.           |
| LANE, REV. FLORENCE A., S.T.L. . . . .         | '94 | PALMER, MASS.           |
| *LARKIN, WILLIAM R., M.A., M.D. . . . .        | '79 | NEW YORK CITY           |
| LARKIN, JOHN H., M.A., M.D. . . . .            | '91 | NEW YORK CITY           |
| *LARKIN, JAMES P. . . . .                      | '94 | UTICA, N. Y.            |
| *LARKIN, JOHN T. . . . .                       | '99 | NEW YORK CITY           |
| LA ROSA, GUSTAVO F., C.E. . . . .              | '03 | HAVANA, CUBA            |
| LASTRAPES, BRONIER H. . . . .                  | '86 | NEW ORLEANS, LA.        |
| LASTRAPES, WILLIAM R., M.A., M.D. . . . .      | '87 | OPELOUSA, LA.           |
| LAUTERBACH, EDWARD, LL.D., <i>c.h.</i> . . . . | '05 | NEW YORK CITY           |
| LAVELLE, R.R.MGR. M. J., M.A., LL.D. . . . .   | '73 | NEW YORK CITY           |
| LAVELLE, REV. FRANCIS E., J.U.L. . . . .       | '90 | AMENIA, N. Y.           |
| LAVIN, DESIDERIO, M.S. . . . .                 | '01 | NEW YORK CITY           |
| *LEDDIN, MICHAEL J. . . . .                    | '82 | MONTGOMERY, N. Y.       |
| LENES, REV. FRANCIS C., LL.D. . . . .          | '80 | MONTGOMERY, N. Y.       |
| LENNON, REV. JOHN J., M.A. . . . .             | '86 | NEW YORK CITY           |

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| LEON, ALEXIS M., M.A., M.D. . . . .      | '75 | NEW YORK CITY         |
| LICARI, JEROME J. . . . .                | '02 | NEW YORK CITY         |
| LICARI, LAWRENCE H. . . . .              | '06 | BROOKLYN, N. Y.       |
| LINDSMAN, REV. JOHN L. . . . .           | '89 | FULTON, N. Y.         |
| LOFTUS, JAMES F. . . . .                 | '85 | BUFFALO, N. Y.        |
| LOGUE, DANIEL F. . . . .                 | '98 | NEW YORK CITY         |
| LONARGAN, REV. JOHN P., M.A. . . .       | '80 | HYDE PARK, N. Y.      |
| LONARGAN, REV. MICHAEL J. . . .          | '84 | NEW YORK CITY         |
| LONERGAN, JOHN E., C.E. . . . .          | '03 | BROOKLYN, N. Y.       |
| LOPEZ, REV. MICHAEL S. . . . .           | '97 | BROOKLYN, N. Y.       |
| LOUGHLIN, JOHN S. . . . .                | '07 | NEW YORK CITY         |
| LOUGHRAN, WILLIAM H., M.A. . . .         | '82 | NEW YORK CITY         |
| LOUGHRAN, REV. THOMAS J., M.A. . .       | '83 | WOONSOCKET, R. I.     |
| LOUGHRAN, THOMAS V. . . . .              | '95 | PHILADELPHIA, PA.     |
| LOWNEY, REV. DENIS M., M.A., S.T.B.      | '84 | PAWTUCKET, R. I.      |
| LYNCH, REV. THOMAS F., M.A. . . .        | '66 | NEW YORK CITY         |
| LYNCH, JOHN E. . . . .                   | '82 | HAVERSTRAW, N. Y.     |
| LYNCH, JAMES C. . . . .                  | '94 | OGDENSBURG, N. Y.     |
| LYNCH, HENRY J. . . . .                  | '00 | NEW YORK CITY         |
| LYNCH, FRANCIS J. . . . .                | '01 | NEW YORK CITY         |
| LYNCH, JOSEPH D. . . . .                 | '05 | NEW YORK CITY         |
| LYONS, FRANCIS J. . . . .                | '83 | BROOKLYN, N. Y.       |
| *LYONS, MICHAEL J. . . . .               | '00 | FALL RIVER, MASS.     |
| LYONS, REV. JUSTIN J. . . . .            | '00 | NEW YORK CITY         |
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| McAVOY, FRANCIS S. . . . .               | '81 | NEW YORK CITY         |
| McAVOY, THOMAS F. . . . .                | '96 | NEW YORK CITY         |
| McAVOY, JOHN V. . . . .                  | '97 | NEW YORK CITY         |
| McBRIDE, JOHN J. . . . .                 | '01 | NEW YORK CITY         |
| *McCABE, REV. PATRICK H., M.A. . .       | '75 | HAVERSTRAW, N. Y.     |
| McCABE, JAMES J. . . . .                 | '82 | GREENBRIDGE, N. Y.    |
| McCABE, EDWARD M., M.A., M.D. . .        | '84 | NEW HAVEN, CONN.      |
| McCABE, REV. MICHAEL J. . . . .          | '89 | EDGEWOOD, R. I.       |
| McCAFFERTY, JOHN A., M.D. . . . .        | '95 | NEW YORK CITY         |
| *McCARTHY, REV. FRANCIS P. . . .         | '83 | LEWISTON, PA.         |
| McCARTHY, REV. DANIEL J. . . . .         | '90 | SHEEPSHEAD BAY, N. Y. |
| McCARTHY, TIMOTHY A. . . . .             | '95 | NEW YORK CITY         |
| McCARTHY, THOMAS D. . . . .              | '04 | NEW YORK CITY         |
| McCLANCY, VERY REV. J.P., M.A., LL.D.    | '66 | MIDDLETOWN, N. Y.     |
| McCLOSKEY, M. JOSEPH . . . . .           | '95 | NEW YORK CITY         |
| McCLURE, DAVID B., M.A., <i>c.h.</i> . . | '89 | NEW YORK CITY         |
| McCLUSKEY, REV. THOS. J., S.J., M.A.     | '74 | NEW YORK CITY         |
| McCOOBERY, JOSEPH F., M.A. . . .         | '80 | JERSEY CITY, N. J.    |
| McCORMY, REV. P. J., C.S.P., M.A. .      | '94 | CHICAGO, ILL.         |

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| McCUSKER, JOHN J., M.S., M.D. . . .         | '86 | PROVIDENCE, R. I.      |
| *McDONALD, REV. JOSEPH V., M.A. . . .       | '87 | NEW YORK CITY          |
| McDONALD, JOSEPH R. . . . .                 | '97 | NEW YORK CITY          |
| McDONNELL, JAMES S. . . . .                 | '96 | BUFFALO, N. Y.         |
| McDONOUGH, CHARLES J. . . . .               | '92 | BUFFALO, N. Y.         |
| McDOWELL, JOHN E. . . . .                   | '98 | SYRACUSE, N. Y.        |
| McENTEGART,, THOMAS E. . . . .              | '10 | NEW YCRK CITY          |
| McEVOY, REV. JOSEPH P. . . . .              | '03 | NEW YORK CITY          |
| McFADDEN, George J. . . . .                 | '72 | BROOKLYN, N. Y.        |
| McGARE, REV. THOMAS F., M.A. . . .          | '74 | HAVERSTRAW, N. Y.      |
| McGINNIS, EUGENE F. . . . .                 | '96 | NEW YORK CITY          |
| McGOLDRICK, MICHAEL A., M.A., <i>c.h.</i> . | '80 | BROOKLYN, N. Y.        |
| McGOLDRICK, THOMAS A., M.A., M.D. .         | '93 | BROOKLYN, N. Y.        |
| McGOLDRICK, EDWARD V., M.D. . . .           | '98 | BROOKLYN, N. Y.        |
| McGOLDRICK, PETER J. . . . .                | '98 | BROOKLYN, N. Y.        |
| McGOLDRICK, LAWRENCE J. . . . .             | '03 | BROOKLYN, N. Y.        |
| McGOLRICK, VERY REV.MGR.E.J.,M.A. .         | '77 | BROOKLYN, N. Y.        |
| *McGOVERN, TERENCE A. . . . .               | '81 | NEW YORK CITY          |
| McGOVERN, REV. PETER P. . . . .             | '90 | VALLEY STREAM, N. Y.   |
| McGOVERN, MATTHEW . . . . .                 | '97 | NEW YORK CITY          |
| *McGOWAN, MICHAEL M., M.A. . . . .          | '69 | NEW YORK CITY          |
| McGRATH, REV. THOMAS S. . . . .             | '99 | NEW YORK CITY          |
| McGRATH, REV. JOSEPH A. . . . .             | '99 | TRENTON, N. J.         |
| McGRAW, REV. JAMES P. . . . .               | '97 | SYRACUSE, N. Y.        |
| *McGUINNESS, MICHAEL C., M.A. . . .         | '76 | SYRACUSE, N. Y.        |
| McKENNA, EDWARD F. . . . .                  | '83 | ALBANY, N. Y.          |
| McKENNA, JOHN B., M.A., M.D. . . .          | '84 | EAST PROVIDENCE, R. I. |
| McKENNA, CHARLES J. . . . .                 | '08 | BROOKLYN, N. Y.        |
| McKENNA, WILLIAM J. . . . .                 | '85 | FAR ROCKAWAY, N. Y.    |
| McKENNA, REV. JOSEPH D. . . . .             | '98 | FLUSHING, N. Y.        |
| *McKEON, JOSEPH I., M.A. . . . .            | '82 | NEW YORK CITY          |
| McLARNON, IRVING J., M.A. . . . .           | '01 | NEW YORK CITY          |
| McLAUGHLIN, HUGH . . . . .                  | '75 | WESTCHESTER, N. Y.     |
| McLAUGHLIN, REV. PATRICK D. . . . .         | '94 | NEWBURGH, N. Y.        |
| McLAUGHLIN, REV. THOS. J. . . . .           | '00 | NEW YORK CITY          |
| McLAUGHLIN, CHAS. B., M.A. . . . .          | '04 | NEW YORK CITY          |
| *McLEAN, HENRY C., M.A., M.D. . . .         | '69 | BROOKLYN, N. Y.        |
| McMAHON, DANIEL F. . . . .                  | '09 | NEW YORK CITY          |
| *McMAHON, DENIS, M.A., <i>c.h.</i> . . . .  | '67 | NEW YORK CITY          |
| McMAHON,RT.REV.MGR.D.J.,A.M.,LL.D. .        | '76 | NEW YORK CITY          |
| McMAHON, JOHN B., M.A., Ph.D., M.D. .       | '73 | NEW YORK CITY          |
| McMAHON, REV. JOS. H., M.A., Ph.D. .        | '80 | NEW YORK CITY          |
| *McMANIS, FRANCIS J. . . . .                | '81 | ROCHESTER, N. Y.       |
| McMANIS, WM. T., M.A., M.D. <i>c.h.</i> . . | '93 | NEW YORK CITY          |



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| McMANIS, PATRICK A., M.A. . . . .                        | '78 . | NEW YORK CITY         |
| McMORROW, J. WALTER, M.S., C.E. . . . .                  | '01 . | NEW YORK CITY         |
| McMORROW, THOMAS J. . . . .                              | '05 . | NEW YORK CITY         |
| McMULLIN, REV. CHARLES . . . . .                         | '75 . | NEW YORK CITY         |
| McMULLEN, JOHN R. . . . .                                | '86 . | NEW YORK CITY         |
| McMURRAY, REV. FRANCIS J., M.A. . . . .                  | '92 . | ROCKAWAY PARK, N. Y.  |
| McNALLY, SIMON T., C.E. . . . .                          | '97 . | NEW YORK CITY         |
| McNAMARA, CHARLES A., M.D. . . . .                       | '95 . | NEW YORK CITY         |
| McNAMARA, EDWARD J., M.A. . . . .                        | '04 . | BROOKLYN, N. Y.       |
| McNAMARA, REV. JAMES F. . . . .                          | '89 . | BRYN MAWR PARK, N. Y. |
| McNAMARA, REV. JAMES J. . . . .                          | '93 . | NEW YORK CITY         |
| McNAMARA, SYLVESTER J., M.A. M.D. . . . .                | '89 . | BROOKLYN, N. Y.       |
| McNAMARA, SYLVESTER J., M.A. . . . .                     | '02 . | BROOKLYN, N. Y.       |
| McNAMARA, THOMAS F. . . . .                              | '05 . | HARRISON, N. Y.       |
| McNEELY, JAMES A. . . . .                                | '90 . | BROOKLYN, N. Y.       |
| *MACOSCAR, THOMAS, M.A., M.D., <i>c.h.</i> . . . .       | '68 . |                       |
| McPARLAN, THOMAS F., M.A., M.D. . . . .                  | '88 . | NEW YORK CITY         |
| McPARLAN, EDWARD C. . . . .                              | '93 . | NEW YORK CITY         |
| McPEAK, JAMES F., C.E. . . . .                           | '94 . | NEW YORK CITY         |
| McPHILLIPS, MATTHEW F. . . . .                           | '04 . | NEW YORK CITY         |
| McQUADE, JOHN J. . . . .                                 | '98 . | NEW YORK CITY         |
| McSHANE, EDWARD A. . . . .                               | '03 . | NEW YORK CITY         |
| *McSORLEY, PETER A. . . . .                              | '70 . | BROOKLYN, N. Y.       |
| McSORLEY, PATRICK F. . . . .                             | '00 . | NEW YORK CITY         |
| *MACDONA, HENRY D., M.A. <i>c.h.</i> . . . .             | '79 . | NEW YORK CITY         |
| MACK, SAMUEL J. . . . .                                  | '84 . | NEW YORK CITY         |
| MADDEN, HENRY A. . . . .                                 | '89 . | NEW YORK CITY         |
| MADDEN, FRANCIS M. . . . .                               | '90 . | NEW YORK CITY         |
| MADDEN, REV. THOMAS N. . . . .                           | '93 . | NEW YORK CITY         |
| MAGEE, JAMES P. . . . .                                  | '02 . | NEW YORK CITY         |
| *MAGINN, FRANCIS E. . . . .                              | '88 . | NEW YORK CITY         |
| MAGRATH, REV. PHILIP J. . . . .                          | '00 . | NEW YORK CITY         |
| MAGUIRE, RT. RV. F. J., M.A., LL.D., <i>c.h.</i> . . . . | '79 . | ALBANY, N. Y.         |
| MAHER, AUGUSTINE F. . . . .                              | '90 . | NEW HAVEN, CONN.      |
| MAHER, JOHN F. . . . .                                   | '96 . | SYRACUSE, N. Y.       |
| MAHER, STEPHEN J., M.A., M.D., <i>c.h.</i> . . . .       | '92 . | NEW HAVEN, CONN.      |
| MAHON, REV. JOHN J. . . . .                              | '94 . | LAURENCE, L. I.       |
| MAHONEY, REV. PATRICK J., S.T.M. . . . .                 | '84 . | NEW YORK CITY         |
| MAHONEY, REV. DANIEL P., M.A. . . . .                    | '88 . | JOHNSONVILLE, N. Y.   |
| MAHONEY, DANIEL F. . . . .                               | '05 . | NEW YORK CITY         |
| MALANEY, THOMAS P. . . . .                               | '72 . | NEW YORK CITY         |
| *MANLEY, THOMAS H., M.A., M.D., <i>c.h.</i> . . . .      | '89 . | NEW YORK CITY         |
| MANNING, JOHN T. . . . .                                 | '93 . | NEW YORK CITY         |
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| MARTIN, EDWARD A., M.A. . . . .              | '90 | NORTH TARRYTOWN, N. Y.  |
| MARTIN, GEORGE J. . . . .                    | '09 | EL RITO, NEW MEX.       |
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| MEEGAN, REV. EDWARD J., S.T.B. . . . .       | '92 | PHILMONT, N. Y.         |
| MEEHAN, REV. WM. F., M.A. . . . .            | '88 | RYE, N. Y.              |
| *MERRIGAN, BRENDAN V. . . . .                | '92 | KINGSBRIDGE, N. Y.      |
| MERTENS, JOSEPH C., F.S.C., M.S. . . . .     | '93 | TROY, N. Y.             |
| MICHEL, WALTER L. . . . .                    | '09 | NEW YORK CITY           |
| *MILAY, MICHAEL J. . . . .                   | '97 | IRVINGTON, N. Y.        |
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| MITCHELL, ARTHUR J., M.D. . . . .            | '92 | NEW YORK CITY           |
| MITTY, REV. JOHN J., S.T.D. . . . .          | '01 | DUNWOODIE, N. Y.        |
| MIVILLE, CHARLES B. . . . .                  | '04 | NEW YORK CITY           |
| MOLONY, FRANCIS T. . . . .                   | '05 | NEW YORK CITY           |
| MONAHAN, DAVID H., M.A. . . . .              | '83 | BRIDGEPORT, CONN.       |
| MONTAGUE, WM. A., M.A. . . . .               | '95 | NEW YORK CITY           |
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| MOONEY, REV. MICHAEL F. . . . .              | '87 | GALWAY, N. Y.           |
| MOORE, REV. FRANCIS P., LL.D. . . . .        | '80 | WAKEFIELD, N. Y.        |
| MOORE, SAMUEL B., M.A., M.D. . . . .         | '97 | NEW YORK CITY           |
| MORRIS, REV. JOHN J., M.A. . . . .           | '83 | PORT JERVIS, N. Y.      |
| MORRIS, EDWARD J., M.D. . . . .              | '89 | BROOKLYN, N. Y.         |
| MORRIS, JOHN T., Ph.D., <i>c.h.</i> . . . .  | '91 | BALTIMORE, MD.          |
| MORRISON, RICHARD J., M.A. . . . .           | '69 | NEW YORK CITY           |
| MULCAHY, CORNELIUS J. . . . .                | '98 | NEW YORK CITY           |
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| MULVEY, JOHN M. . . . .                      | '09 | NEW YORK CITY           |
| MUNDELEIN, RIGHT REV. GEO. W. . . . .        | '89 | BROOKLYN, N. Y.         |
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| *MURPHY, FELIX T., M.A. . . . .              | '74 | NEW YORK CITY           |
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| MURPHY, JOHN A., M.D. . . . .                | '94 | NEW HAVEN, CONN.        |
| MURPHY, JOHN J., C.E. . . . .                | '02 | YONKERS, N. Y.          |
| MURPHY, JOSEPH P., M.D. . . . .              | '91 | BROOKLYN, N. Y.         |
| *MURPHY, REV. MICHAEL J., M.A. . . . .       | '66 | ROCKAWAY, N. Y.         |
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| O'HAGEN, ROMUALD R. . . . .                           | '05 | ASTORIA, L. I.     |
| O'HALLORAN, JOHN T. . . . .                           | '09 | ROSEVILLE, N. J.   |
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| O'KEEFE, WILLIAM J. . . . .                           | '96 | PLAINFIELD, N. J.  |
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| *O'LEARY, CORNELIUS, M.A., M.D., <i>c.h.</i> . . . .  | '66 | NEW YORK CITY      |
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| *O'LEARY, THOMAS J., M.A. . . . .                     | '84 | NEW YORK CITY      |
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| *O'NEILL, REV. WILLIAM A. . . . .                     |     | NEW YORK CITY      |
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| O'NEIL, REV. DANIEL A. . . . .                        | '92 | TROY, N. H.        |
| O'NEILL, FRANCIS J., M.A. . . . .                     | '75 | AURORA, ILL.       |
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| *O'NEILL, REV. FRANCIS X. . . . .                     | '94 | MANCHESTER, N. H.  |
| O'REILLY, GEORGE M. . . . .                           | '98 | NEW YORK CITY      |
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| O'REILLY, REV. THOMAS J., M.A. . . . .                | '77 | COLUMBUS, OHIO     |
| O'RORKE, JOHN J., M.D. . . . .                        | '75 | NEW YORK CITY      |
| O'ROURKE, ANDREW A. . . . .                           | '84 | NEW YORK CITY      |
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| O'RYAN, WILLIAM P., M.A. . . . .                      | '99 | BROOKLYN, N. Y.    |
| *O'SHAUGHNESSY, REV. JOHN E. . . . .                  | '83 | NEW YORK CITY      |
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| *O'SULLIVAN, PATRICK S., C.E. . . . .                 | '02 | NEW BRITAIN, CONN. |
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| PAINE, WILLIS S., LL.D., <i>c.h.</i> . . . .          | '85 | NEW YORK CITY      |
| PECH, JAMES, Ph.D., Mus.Doc.Oxon, <i>c.h.</i> . . . . | '92 | NEW YORK CITY      |
| *PELTIER, PAUL A., M.A. . . . .                       | '67 | ST. LOUIS, MO.     |
| PENNEFATHER, J. RAYMOND, M.S. . . . .                 | '04 | NEW YORK CITY      |
| PENNY, REV. WILLIAM L., LL.D., <i>c.h.</i> . . . .    | '00 | NEW YORK CITY      |
| PETRIE, ALBERT W. . . . .                             | '90 | NEW YORK CITY      |
| PFOHL, EDWARD M., M.A., M.D. . . . .                  | '85 | BUFFALO, N. Y.     |
| PHELAN, THOMAS F. . . . .                             | '88 | TROY, N. Y.        |
| PHELAN, REV. THOMAS P., M.A. . . . .                  | '91 | NEW YORK CITY      |
| PHELAN, JOHN J. . . . .                               | '95 | NEW YORK CITY      |
| PHELAN, JAMES T., C.E. . . . .                        | '97 | NEW YORK CITY      |
| PODVIN, EDWARD C., M.A., M.D. . . . .                 | '95 | NEW YORK CITY      |

POMMERER, ROBERT W., C.E. . . '01 . NEW YORK CITY  
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 PRENDERGAST, REV. E. R., M.A. . '79 . NORWICH, N. Y.  
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 QUINN, WILLIAM V., M.D. . . . . '97 . UTICA, N. Y.  
 QUINN, REV. DAVID I. . . . . '99 . PROVIDENCE, R. I.

RADFORD, HENRY V., M.S., C.E. . . '01 . NEW YORK CITY  
 RAFFERTY, PETER P., M.D. . . . . '94 . RED BANK, N. J.  
 REGAN, PETER A. . . . . '05 . YONKERS, N. Y.  
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 RENAHAN, EDWARD J. . . . . '86 . YONKERS, N. Y.  
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 ROCHE, REV. ANDREW T. . . . . '93 . NEW YORK CITY  
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 RONAYNE, REV. PATRICK T. . . . . '85 . STATEN ISLAND, N. Y.  
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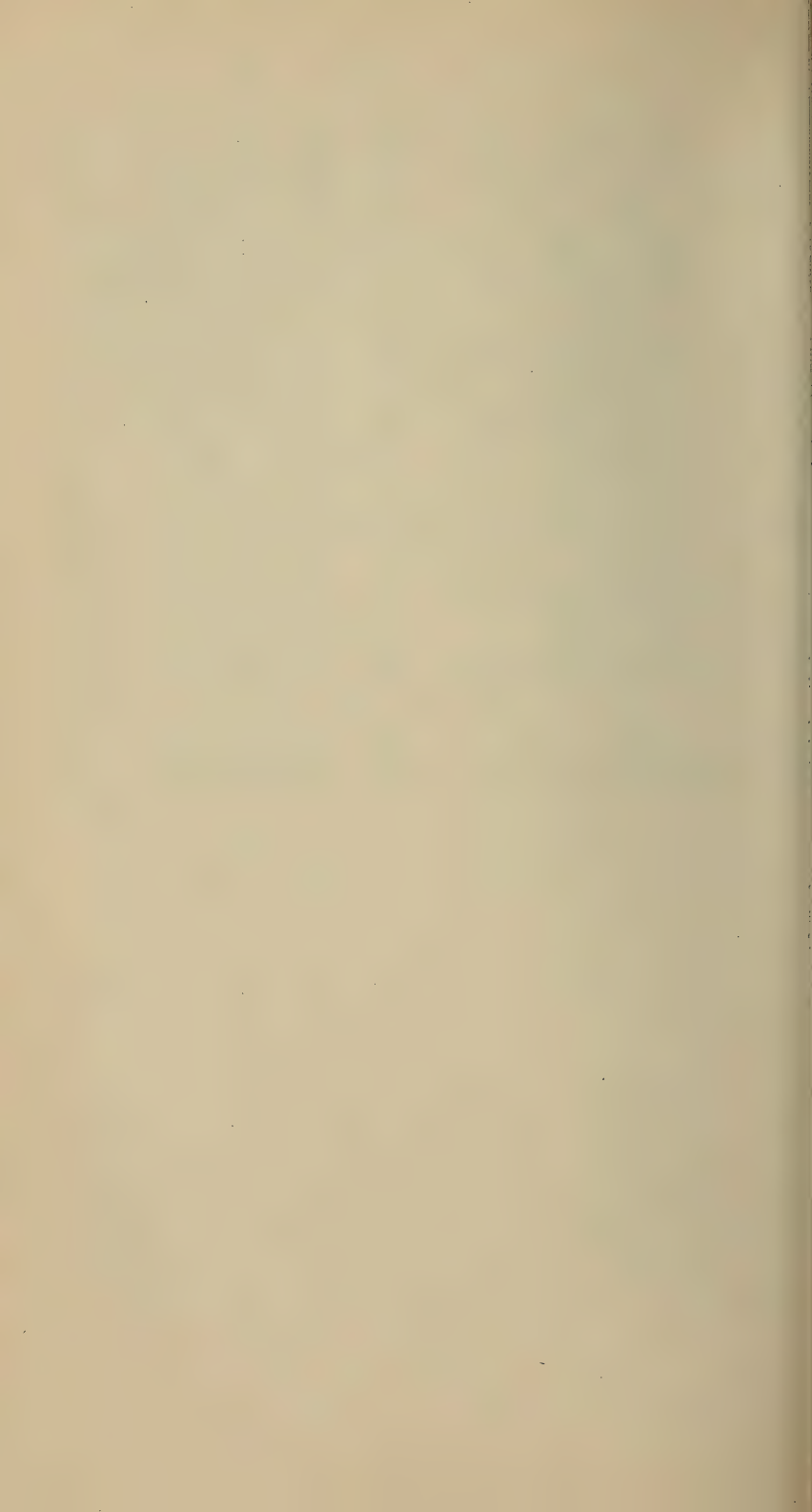
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| RYAN, MOST REV. P. J., LL.D., <i>c. h.</i>    | '66 | PHILADELPHIA, PA.       |
| RYAN, WILLIAM A.                              | '03 | UTICA, N. Y.            |
| SAIZAN, JOSEPH P., M.A., M.D.                 | '86 | OPELOUSAS, LA.          |
| SLAZAR, JOSÉ E.                               | '10 | HAVANA, CUBA            |
| ALTER, REV. JOHN B., M.A.                     | '69 | SPRING VALLEY, N. Y.    |
| ANDER, REV. GEORGE D., M.A.                   | '84 | BROOKLYN, N. Y.         |
| APHORE, EDWARD E.                             | '03 | NEW YORK CITY           |
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| SYMOUR, FIELDING A., M.S., C.E.               | '94 | NEW YORK CITY           |
| TAHAN, RT. REV. MGR. T. J., LL.D.             | '10 | WASHINGTON, D. C.       |
| HALLEW, WILLIAM J.                            | '93 | YONKERS, N. Y.          |
| HANDLEY, THOMAS B.                            | '83 | NEW YORK CITY           |
| HANDLEY, EDWARD F.                            | '88 | NEW YORK CITY           |
| LAW, JAMES J.                                 | '83 | WHITE PLAINS, N. Y.     |
| HEA, DENIS L., M.A., M.D.                     | '87 | NEW YORK CITY           |
| EA, JOHN J., M.D.                             | '93 | NEW YORK CITY           |
| EA, MICHAEL F.                                | '98 | MANCHESTER, N. H.       |
| EA, ROBERT J., M.A.                           | '09 | NEW YORK CITY           |
| EEHAN, WILLIAM J., M.D.                       | '92 | NEW HAVEN, CONN.        |
| EEHAN, ROBERT F., M.S., M.D., <i>c. h.</i>    | '06 | BUFFALO, N. Y.          |
| EIL, PETER A.                                 | '96 | WILLIAMSBRIDGE, N. Y.   |
| EIL, JAMES J.                                 | '97 | NEW YORK CITY           |
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| ERIDAN, REV. P. F., M.A., <i>c. h.</i>        | '81 | LONG ISLAND CITY, N. Y. |
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| NOTT, PHILIP J., M.A.                         | '89 | NEW YORK CITY           |
| NOTT, REV. EDWARD M.                          | '01 | NEW YORK CITY           |
| ELLY, LAWRENCE P., M.D.                       | '88 | SUSQUEHANNA, PA.        |
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| EVIN, WILLIAM E.                              | '01 | NEW YORK CITY           |
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| ITH, J. SHERRY, M.A.                          | '78 | CATSKILL, N. Y.         |
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| ITH, JOHN R., M.A.                            | '79 | NEW YORK CITY           |
| ITH, GEORGE B.                                | '84 | NEW YORK CITY           |
| ITH, REV. DENIS E.                            | '85 | COHOES, N. Y.           |
| YTHERN, WILFRED G.                            | '00 | NEW YORK CITY           |
| CK, JAMES F.                                  | '97 | BROOKLYN, N. Y.         |
| CK, JOHN T.                                   | '10 | BROOKLYN, N. Y.         |



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| WALSH, THOMAS F. . . . .                | '94           | NEW YORK CITY       |
| WALSH, JAMES J., M.D. . . . .           | '96           | WESTCHESTER, N. Y.  |
| WALSH, REV. PATRICK E. . . . .          | '99           | MANCHESTER, N. H.   |
| WALSH, ROBERT J. . . . .                | '01           | NEW YORK CITY       |
| WALSH, REV. MICHAEL A. . . . .          | '05           | NEW YORK CITY       |
| WARD, WILLIAM J. . . . .                | '96           | BROOKLYN, N. Y.     |
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| WATERS, REV. JOHN A., M.A. . . . .      | '77           | PORTCHESTER, N. Y.  |
| WEINBERG, EDWARD F. . . . .             | '06           | NEW YORK CITY       |
| WELCH, JOSEPH T. . . . .                | '87           | WASHINGTON, D. C.   |
| *WENZEL, REV. PAUL A., M.A. . . . .     | Causa honoris |                     |
|                                         | '82           | SOUTH ORANGE, N. J. |
| *WERNER, JOHN P. . . . .                | '97           | NEW YORK CITY       |
| WHALEN, JOHN, M.A., LL.D. . . . .       | Causa honoris |                     |
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| *WHELAN, WILLIAM A. . . . .             | '83           | WATERVLIET, N. Y.   |
| WHELAN, WILLIAM J. . . . .              | '94           | NEW YORK CITY       |
| WHITE, PETER P. . . . .                 | '79           | CLIFFSIDE, N. J.    |
| WHITMORE, BENJAMIN, M.D., LL.D. . . . . | Causa honoris |                     |
|                                         | '98           | NEW YORK CITY       |



|                                  |   |     |   |                   |
|----------------------------------|---|-----|---|-------------------|
| WHITNEY, THOMAS B., C.E.         | . | '97 | . | NEW YORK CITY     |
| WILDE, WILLIAM E.                | . | '87 | . | NEW YORK CITY     |
| *WILFORD, THOMAS F., M.A.        |   |     |   | Causa honoris     |
|                                  |   | '82 | . | NEW YORK CITY     |
| WILKES, ROBERT W., M.A.          | . | '02 | . | YONKERS, N. Y.    |
| WILLIAMS, ROSWELL D.             | . | '96 | . | NEW YORK CITY     |
| WOODMAN, REV. CLARENCE E., Ph.D. |   |     |   | Causa honoris     |
|                                  |   | '83 | . | NEW YORK CITY     |
| YOUNG, JOSEPH A.                 | . | '93 | . | BROOKLYN, N. Y.   |
| YORK, REV. JOHN B., M.A.         | . | '84 | . | HUNTINGTON, L. I. |



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THE HIGH SCHOOL

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## THE HIGH SCHOOL

The aim of the High School is to prepare for entrance to the College. The studies conform to the "Syllabus for Secondary Schools" of the New York State Educational Department.

The requirements for admission are the preliminary studies prescribed by the Department. The most favorable time for entrance is at the beginning of the scholastic year. The regular examinations for admission take place on the second Monday in September.

The classes are frequently examined, and students are not allowed to pass from one subject to another until they have given evidence of adequate knowledge of the subject. A student who shows by the results of the examinations that he is unable to keep up with his class will be placed in a lower grade.

The Inspector examines weekly the record of every pupil and comments upon it before the Professors and students of the class.

Summarized reports of the examinations are forwarded to the parents at the end of each term.

Since each report shows the exact standing of the student, it should be carefully examined by his parent or guardian.

Percentages are estimated as follows: From 90 to 100, excellent; from 80 to 90, very good; from 70 to 80, satisfactory; under 70, unsatisfactory.

Promotions are based on the joint results of the several examinations and the daily marks. No student will be allowed to pass from one class to another unless he has given satisfactory proof of his ability to follow the higher class.

Students who fail in the final examination may present themselves for further examination at the opening of the next term.

At least three hours a day should be given to the preparation of class work.

The active co-operation of parents with the Faculty is essential to the progress of the student. Parents are therefore requested to insist upon regular attendance and careful preparation of class work.

Students are expected to act at all times as gentlemen. No one will be retained who is insubordinate or whose society may prove undesirable.

Punctuality at all sessions and recitations is required.

A written excuse from parents or guardian is required in all cases of absence. This excuse will not be accepted in lieu of omitted class work.

Wednesday and Saturday afternoons are the regular weekly half-holidays.

Students who live in the College may not leave the grounds without authorization.



## COURSE OF STUDIES

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### FIRST YEAR.

- ENGLISH. *Grammar* (3)\*—  
Christian Brothers, *Principles of English Grammar*.  
*Composition* (1)—  
*Literature* (1)—  
Lowell, *The Vision of Sir Launfaul*.  
Scott, *Ivanhoe*.  
Coleridge, *The Ancient Mariner*.  
Parkman, *Oregon Trail*.
- HISTORY. *Ancient* (3)—Wolfson, *Essentials in Ancient History*.
- MATHEMATICS. *Algebra* (4)—First XVIII. chapters.  
Wentworth, *Elementary Algebra*.  
*Arithmetic* (1)—Review of pre-Academic Course.  
Christian Brothers, *Complete Arithmetic*.
- FRENCH. *Grammar* (5)  
François, *Beginner's French*.  
Guerber, *Contes et Legendes*, Part I.
- SCIENCE. *Physical Geography* (5)  
Davis, *Physical Geography*.
- DRAWING. *Linear* (1)—Book I.  
Christian Brothers, *Elementary Course*.
- ELOCUTION. (1)
- CHRISTIAN DOCTRINE (2)—First ten lessons.  
Kinkead, *Catechism*, No. 3.

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\*.—The figures in parentheses indicate the number of hours per week.

## SECOND YEAR.

### FIRST TERM.

ENGLISH. *Composition* (2)—

Gardiner, Kittredge, and Arnold, *The Mother tongue*.

*Literature* (2).

Irving, *Sketch Book*.

Shakespeare, *Merchant of Venice* and *Twelfth Night*.

HISTORY. *Medieval and Modern European* (5).

Harding, *Essentials in Medieval and Modern European History*.

MATHEMATICS.

*Geometry* (3)—Books I. and II.

Wentworth, *Plane Geometry*.

*Algebra* (2)—Chapters XVIII. to XXII.

Wentworth, *Elementary Algebra*.

FRENCH. *Grammar and Literature* (4).

François, *Beginner's French*; Daudet, *Trois Contes choisis*; Labiche et Martin, *La Poudre aux Yeux*; Mairet, *La Tâche du Petit Pierre*.

GERMAN. *Grammar and Literature* (4).

Spanhoofft, *Lehrbuch der deutschen Sprache*.

Guerber, *Märchen und Erzählungen*, Part I.

SCIENCE. *Biology* (5).

Hunter, *Elements of Biology*.

Bailey, *Botany*.

Burnet, *School Zoölogy*.

DRAWING. *Linear* (1). Second part of Book I.

Christian Brothers, *Elementary Course*.

ELOCUTION (1)

CHRISTIAN DOCTRINE (2)—Lessons X. to XXI.

Kinhead, *Catechism*, No. 3.

## SECOND TERM.

ENGLISH. *Composition* (2).—

Gardiner, Kittredge, and Arnold, *The Mother Tongue*.

*Literature* (2)—George Eliot, *Silas Marner*.

Goldsmith, *The Deserted Village*.

MATHEMATICS. *Geometry* (4)—Books III., IV., and V.

Wentworth, *Plane Geometry*.

HISTORY.

(5)

FRENCH.

(4)

GERMAN.

(4)

DRAWING.

(1)

ELOCUTION.

(1)

CHRISTIAN DOCTRINE.

(2)

} See First Term.

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## THIRD YEAR.

### FIRST TERM.

ENGLISH. *Rhetoric* (2).

Gardiner, Kittredge, and Arnold, *The Mother Tongue*.

*Literature* (2)—*The Sir Roger De Coverley Papers*;

Shakespeare, *Julius Caesar* and *Henry V*.

HISTORY. *English* (3).

Montgomery, *Leading Facts of English History*.

MATHEMATICS.

*Geometry* (4)—Solid.

Wentworth, *Plane and Solid Geometry*.

FRENCH. *Literature* (4)—Halévy, *L'Abbé Constantin*; Racine, *Esther*; Enault, *Le Chien du Capitaine*; Molière, *Le Bourgeois Gentilhomme*.

GERMAN. *Literature* (4)—Anderson, *Bilderbuch ohne Bilder*; Zschokke, *Der Zerbrochene Krug*; Hillern, *Höher als die Kirche*; Benedix, *Der Prozess*.  
Oral and written exercises based on the text read.

DRAWING. *Linear* (2)—Book II.  
Christian Brothers, *Elementary Course*.

PHYSICS. *Lectures and Recitations* (4).  
*Laboratory* (1). (Double Period.)  
Millikan and Gale, *First Course in Physics*.

ELOCUTION. (1).

CHRISTIAN DOCTRINE (3)—Lessons XXI. to XXX.  
Kinkead, *Catechism*, No. 3.

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## SECOND TERM.

ENGLISH. *Composition and Rhetoric* (2).  
Gardiner, Kittredge, and Arnold, *The Mother Tongue*.  
*Literature* (2).  
Dickens, *Tale of Two Cities* and *David Copperfield*.  
Tennyson, *Gareth and Lynette*, *Lancelot and Elaine*, and *The Passing of Arthur*.

MATHEMATICS. *Intermediate Algebra* (4).

|                     |     |                   |
|---------------------|-----|-------------------|
| CHRISTIAN DOCTRINE. | (2) | } See First Term. |
| ELOCUTION.          | (1) |                   |
| PHYSICS.            | (5) |                   |
| DRAWING.            | (1) |                   |
| GERMAN.             | (4) |                   |
| FRENCH.             | (4) |                   |
| HISTORY.            | (4) |                   |

## FOURTH YEAR.

### FIRST TERM.

ENGLISH. *Literature* (2)—Burke, *Speech on Conciliation with America*;  
Milton, *Minor Poems*.  
*Composition and Rhetoric* (2).  
Gardiner, Kittredge, and Arnold, *The Mother Tongue*.

HISTORY. *American and Civil Government* (4).  
Montgomery, *Students' American History*.

### MATHEMATICS.

*Plane and Spherical Trigonometry* (3).  
Wentworth, *Plane and Spherical Trigonometry*.

FRENCH. *Composition and Literature* (4)—François, *Introductory Prose Composition*; Racine, *Athalie*; Bernardin de Saint Pierre, *Paul et Virginie*; Molière, *L'Avare*; Muller, *Les Grandes Découvertes Modernes*; Corneille, *Le Cid*.

GERMAN. *Literature* (4)—Riehl, *Der Fluch der Schönheit*; Freytag, *Die Journalisten*; Schiller, *Wilhelm Tell*; Selections from Hatfield's *German Lyrics and Ballads*.

DRAWING. *Mechanical* (2)—Book II.  
Christian Brothers, *Elementary Course*.

ELOCUTION. (1).

### CHEMISTRY.

*Lectures and Recitations* (5).  
*Laboratory* (1). (Double Period.)  
Newell, *Descriptive Chemistry*.

CHRISTIAN DOCTRINE (2)—Lessons XXX. to XXXVII.  
Kinkead, *Catechism*, No. 3.

## SECOND TERM.

ENGLISH. *Literature* (2)—Macaulay, *Life of Johnson*.  
Shakespeare, *Macbeth*.

*Composition and Rhetoric* (2).

Gardiner, Kittredge, and Arnold, *The Mother Tongue*.

## MATHEMATICS.

*Advanced Algebra* (3).

Hawkes, *Advanced Algebra*.

|                     |     |                   |
|---------------------|-----|-------------------|
| HISTORY.            | (4) | } See First Term. |
| FRENCH.             | (4) |                   |
| GERMAN.             | (4) |                   |
| DRAWING.            | (2) |                   |
| CHEMISTRY.          | (5) |                   |
| ELOCUTION.          | (1) |                   |
| CHRISTIAN DOCTRINE. | (2) |                   |



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THE SCHOOL OF COMMERCE

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## THE SCHOOL OF COMMERCE

Students who desire to prepare for mercantile life, will find every facility in the Commercial Department. This department does not limit itself to purely business branches. Subjects of general culture are also included.

English composition and letter-writing receive special attention. The student is required to treat prescribed subjects in a manner that will enable him to write with ease and elegance. Questions relating to political economy and commercial law are discussed in the class-room in order to give the student correct ideas on the vital questions of daily life. Weekly lessons are given in the art of public speaking, in order that the student may acquire an easy and graceful delivery.

The mathematics taught include a complete course of commercial arithmetic and an elementary course of algebra and geometry.

The students receive a thorough course in standard business methods and in the science of accounts.

Shorthand and typewriting are essential to the course, and ample opportunity is afforded for practice in these branches of office work.

The rules governing the School of Commerce are similar to those of the High School.

The Commercial Course comprises two years' work, and no student is admitted until he has satisfactorily completed the studies of the *second year* of the High School.

Students who complete the course receive a Certificate as a guarantee of their fitness for mercantile employment.

### PRIZES AND MEDALS.

The Brother Charles Memorial Medal, founded by the Commercial Alumni Society, is awarded to the student who has the highest record for general proficiency.

The Kean Medal for religious instruction, donated by the Rev. John J. Kean, LL.D., '66, is open to all students of the School of Commerce.

The Pommerer Medal donated by William C. Pommerer, M. A., '91, is awarded to the student who has the highest record for shorthand and typewriting.

## COURSE OF STUDIES

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### THIRD YEAR.

#### FIRST TERM.

- ENGLISH (3)—I. Literature: Goldsmith, *Vicar of Wakefield*.  
Grammar, composition, parliamentary practice.
- II. Commercial English. Paragraphing and condensing, commercial correspondence.
- CIVICS (2)—State civics, Federal civics.
- COMMERCIAL LAW (3)—Business law in general, elements of contract, notes of hand, bills of exchange, drafts and checks, agency.
- FRENCH (2)—First Year—François, *Beginner's French*.
- GERMAN (2)—First Year.
- SHORTHAND (3)—Principles: Word signs, phrases.
- TYPEWRITING (2)—Mechanism and care, touch method, duplicating, carbon work.
- ELEMENTARY BOOKKEEPING (4)—Theory; use of journal, day book, cash book, ledger.
- BUSINESS PRACTICE AND OFFICE METHODS (2)—Orders, bills, receipts, statements, simple partnership, agreements, etc.
- COMMERCIAL ARITHMETIC (2)—Review principles, fractions, aliquot parts, denominate numbers, percentage.
- BUSINESS WRITING (2)—Principles: Position, motion, drills.
- ELOCUTION (1)—
- RELIGION (2)—See Courses of Study, No. 129.

## THIRD YEAR.

### SECOND TERM.

ENGLISH (3)—I. Literature: Shakespeare's *Julius Caesar*.  
Grammar, composition, parliamentary practice.

II. Commercial English: Continuation of work of First Term; copying from rough draft; dictation.

### COMMERCIAL

GEOGRAPHY (2)—I. Local. Industries, manufacturing, transportation, banking.

II. State. Situation, railroads.

III. General. National, world.

COMMERCIAL LAW (3)—Sale of personal property, partnership, carriage of goods and passengers, money and banking.

FRENCH (2)—Continued.

GERMAN (2)—Continued.

SHORTHAND (2)—Continuation of work leading up to No. 1.

TYPEWRITING (2)—Forms of letters, margins, addressing envelopes, etc.

ELEMENTARY BOOKKEEPING (4)—Check book, bank book, sales book, invoice book.

BUSINESS PRACTICE (2)—Orders, notes, drafts.

COMMERCIAL ARITHMETIC (2)—Applications of percentage as far as proportion.

BUSINESS WRITING (2)—Figures, product work, marking alphabet.

ELOCUTION (1)

RELIGION (2)—See First Term.

## FOURTH YEAR.

### FIRST TERM.

ENGLISH (3) — I. Literature: Shakespeare's "*Macbeth*." Grammar reviewed. Composition: paragraphs, themes, parliamentary practice.

II. Commercial English. Continuation of work of previous years, advertisements, proof reading.

POLITICAL ECONOMY (3)—Principles: (a) Evolution of Industrial system, (b) efficiency of production, (c) consumption and demand, (d) labor and capital—Malthus (e) diminishing returns. Descriptive: (a) Socialism, (b) taxation, (c) free trade and protection, (d) labor problem.

COMMERCIAL LAW (2)—Classes of contracts, case books, statute of frauds (4 and 17 sections), negotiable instruments, law, construction and interpretation of contracts.

FRENCH (2)—Second Year.

GERMAN (2)—Second Year.

SHORTHAND (3)—Review principles, reporting principles, development of speed, phrasing, shortening principles, business and literary matter.

TYPEWRITING (3)—Transcription of shorthand, notes, speed practice, supervision of teacher, stencil work, legal forms.

OFFICE METHODS (1)—Filing, indexing, tabulating, card (in connection with typewriting lesson).

ADVANCED BUSINESS ARITHMETIC (3)—Proportion, alligation, practical measurements, rapid and accurate calculation in the four rules, interest and discount.

BUSINESS WRITING (2)—Development of speed without detriment to legibility.

ELOCUTION (1)

RELIGION (2)—See Course of Study, No. 130.



ADVANCED BOOKKEEPING (4)—Special columns, voucher system, single to double entry, capital stock, bonds, loose leaf and card systems.

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## FOURTH YEAR.

### SECOND TERM.

ENGLISH (3)—I. Literature: Macaulay's *Johnson* or Webster's First *Bunker Hill Oration*. Grammar drill, parliamentary practice. Composition: paragraphs, themes.

II. Commercial English, review and drill work of entire course.

HISTORY OF COMMERCE (3)—Ancient Commerce; medieval and early modern commerce; age of steam, and age of electricity.

COMMERCIAL LAW (2)—Elements of real property, disposal of property *i. e.*, by will. Executors and administrators; mortgages of goods and chattels or personal property, business forms, case books, discussions and debates, résumé.

TYPEWRITING (3)—Amanuensis work, tabulating, tests—35 copied, 50 dictated.

PHONOGRAPHY (3)—Preparation for No. 2.

FRENCH (2)—Second Year, Continued.

GERMAN (2)—Second Year, Continued.

OFFICE METHODS (1)—Usages and customs in general.

ADVANCED BOOKKEEPING (4)—Special original entry books, shipment and consignment books, subsidiary ledgers.

ADVANCED BUSINESS ARITHMETIC (2)—General review, metric system.

BUSINESS WRITING (2)—Continued.

ELOCUTION (1)

RELIGION (2)—See First Term.

# OFFICERS OF THE COMMERCIAL ALUMNI ASSOCIATION

|                        |                           |
|------------------------|---------------------------|
| President,             | JAMES A. CUNNION, '85     |
| First Vice-President,  | WILLIAM C. POMMERER, '91  |
| Second Vice-President, | FRANCIS J. GLEASON, '07   |
| Secretary,             | JOSEPH F. STACK, '08      |
| Treasurer,             | LAWRENCE D. FARRELLY, '04 |
| Historian,             | FRANCIS P. GIFFORD, '07   |

# MEMBERS OF THE COMMERCIAL ALUMNI ASSOCIATION

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|-----------------------|-----|-------------------------|
| ABAD, HENRY C.        | '05 | PANAMA                  |
| AHERN, WILLIAM J.     | '87 | NEW YORK CITY           |
| ALLEN, EDGAR J.       | '88 | TROY, N. Y.             |
| AUERT, JUSTIN A.      | '88 | DEERFIELD, N. J.        |
| ARREDONDO, ANTONIO    | '80 | CIENFUEGOS, CUBA        |
| ARREYO, REMIGO        | '76 | MADRID, SPAIN           |
|                       |     |                         |
| *BANNIGAN, JOHN J.    | '79 | PROVIDENCE, R. I.       |
| *BANNIGAN, WILLIAM B. | '83 | PROVIDENCE, R. I.       |
| BARTON, CHARLES B.    | '99 | MARINERS' HARBOR, N. Y. |
| BARRY, WILLIAM P.     | '99 | TICONDEROGA, N. Y.      |
| BATTLE, HUGH R.       | '94 | NEW YORK CITY           |
| BECKINGHAM, DANIEL F. | '02 | NEW YORK CITY           |
| BERGIN, WILLIAM       | '74 | NEW YORK CITY           |
| BEESCH, ALBERT R.     | '04 | TOLEDO, OHIO            |
| BLANCK, WILLIAM A.    | '89 | NEW YORK CITY           |
| BORROUGH, ROBERT D.   | '96 | NEW YORK CITY           |
| BOYLAN, JOSEPH A.     | '07 | NEW YORK CITY           |
| BOYLAN, TERENCE       | '75 | NEW YORK CITY           |
| BRADLEY, HENRY J.     | '83 | NEW YORK CITY           |
| BRANIGAN, JOHN J.     | '08 | FORT LEE, N. J.         |
| BROWNE, HENRY P.      | '90 | NEW YORK CITY           |
| BROPHY, MARTIN J.     | '87 | GRASSY POINT, N. Y.     |
| BURDETT, HENRY W.     | '01 | FORT LEE, N. J.         |
| BURDETT, LESTER C.    | '01 | FORT LEE, N. J.         |
| BYRNES, BERNARD L.    | '97 | NEW YORK CITY           |
|                       |     |                         |
| CALLAHAN, JOHN W.     | '98 | NEW YORK CITY           |
| CALLAHAN, WILLIAM H.  | '05 | NEW YORK CITY           |
| CAMPBELL, JOHN V.     | '10 | NEW YORK CITY           |
| CANALES, HENRY P.     | '08 | HAVANA, CUBA            |
| CANALES, LOUIS G.     | '06 | HAVANA, CUBA            |
| CARROLL, JOHN J.      | '91 | NEW YORK CITY           |
| CHAMBERS, ELMER I.    | '07 | NEW YORK CITY           |

\*Deceased

|                               |     |                      |
|-------------------------------|-----|----------------------|
| CLARK, LUCAS A. . . . .       | '07 | HAVANA, CUBA         |
| CLARK, JOHN L. . . . .        | '85 | CORNING, N. Y.       |
| CLARKE, JOHN T. . . . .       | '83 | BROOKLYN, N. Y.      |
| COAKLEY, FRANCIS A. . . . .   | '05 | UTICA, N. Y.         |
| COEN, EDWARD J. . . . .       | '86 | NEWPORT, R. I.       |
| COGHLIN, WILLIAM A. . . . .   | '94 | HOLYOKE, MASS.       |
| COMMINS, IGNATIUS G. . . . .  | '10 | NEW YORK CITY        |
| CONKLE, WALTER J. . . . .     | '85 | KANSAS CITY, MO.     |
| CONLON, WILLIAM P. . . . .    | '93 | WATERBURY, CONN.     |
| CONNAUGHTON, JAMES E. . . . . | '02 | OSSINING, N. Y.      |
| CONRY, ELLIOT . . . . .       | '71 | PHILADELPHIA, PA.    |
| CONNELL, FRANCIS . . . . .    | '74 | NEW YORK CITY        |
| CONWAY, NICHOLAS T. . . . .   | '10 | TROY, N. Y.          |
| CORCORAN, WILLIAM P. . . . .  | '02 | OSSINING, N. Y.      |
| CORNWELL, ALBERT J. . . . .   | '03 | NEW YORK CITY        |
| COSTELLO, PATRICK P. . . . .  | '08 | NEW YORK CITY        |
| COTTER, JAMES F. . . . .      | '04 | PROVIDENCE, R. I.    |
| COUGHLIN, DANIEL W. . . . .   | '96 | NEW YORK CITY        |
| CREENANE, JAMES . . . . .     | '80 | NEW YORK CITY        |
| CROWLEY, TIMOTHY F. . . . .   | '97 | NEW YORK CITY        |
| CUMMINGS, JOHN H. . . . .     | '94 | BROOKLYN, N. Y.      |
| CUMMINGS, JOHN L. . . . .     | '99 | BROOKLYN, N. Y.      |
| CUNNION, JAMES A. . . . .     | '85 | NEW YORK CITY        |
| *CURRAN, ANDREW J. . . . .    | '86 | BROOKLYN, N. Y.      |
| CURTIS, MATTHEW J. . . . .    | '10 |                      |
|                               |     |                      |
| DALTON, JEREMIAH J. . . . .   | '90 | BROOKLYN, N. Y.      |
| DALY, JOSEPH F. . . . .       | '83 | BROOKLYN, N. Y.      |
| DALY, JAMES W. . . . .        | '73 | SAVANNAH, GA.        |
| DEMPSEY, EDWARD F. . . . .    | '88 | NEW YORK CITY        |
| DEMPSEY, JAMES C. . . . .     | '08 | NEW YORK CITY        |
| DEMPSEY, JOSEPH A. . . . .    | '96 | BROOKLYN, N. Y.      |
| DEVINE, JOHN J. . . . .       | '10 | NEW YORK CITY        |
| DEVINE, JOSEPH A. . . . .     | '93 | NEW YORK CITY        |
| *DIVERS, PHILIP A. . . . .    | '75 | NEW YORK CITY        |
| DOLAN, JAMES F. . . . .       | '04 | NEW YORK CITY        |
| DOMINGUEZ, JUAN M. . . . .    | '93 | GIBARA, CUBA         |
| DONAHUE, PAUL P. . . . .      | '85 | NEW YORK CITY        |
| DONAVAN, CHARLES J. . . . .   | '01 | NEW YORK CITY        |
| *DONNELLY, JOSEPH A. . . . .  | '89 | PAWTUCKET, R. I.     |
| DONNELLY, JOSEPH T. . . . .   | '91 | COLLEGE POINT, N. Y. |
| *DONNELLY, MICHAEL A. . . . . | '95 | NEW YORK CITY        |
| DORFLINGER, CHARLES . . . . . | '73 | NEW YORK CITY        |
| DOUGHERTY, WILLIAM A. . . . . | '78 | NEW YORK CITY        |

|                                 |     |                        |
|---------------------------------|-----|------------------------|
| DOWD, LAWRENCE F. . . . .       | '04 | . NEW YORK CITY        |
| DOWD, PATRICK S. . . . .        | '09 | . NEW YORK CITY        |
| DOWDELL, JAMES J. . . . .       | '09 | . NEW YORK CITY        |
| DOYLE, JOSEPH A. . . . .        | '08 | . NEW YORK CITY        |
| DOYLE, WILLIAM . . . . .        | '76 | . GREAT FALLS, MONT.   |
| DREKA, JEROME G. . . . .        | '07 | . DE LAND, FLA.        |
| DUFF, PATRICK H. . . . .        | '04 | . PROVIDENCE, R. I.    |
| *DUGAN, JAMES F. . . . .        | '72 | . STATEN ISLAND, N. Y. |
| DUMPHY, JOHN F. . . . .         | '93 | . PORTSMOUTH, N. H.    |
| DUNN, FRANCIS W. . . . .        | '88 | . IRVINGTON, N. Y.     |
| DUNN, HENRY . . . . .           | '72 | . NEW YORK CITY        |
| DUNN, PETER H. . . . .          | '04 | . NEW YORK CITY        |
| DUNN, ROBERT E. . . . .         | '08 | . NEW YORK CITY        |
| DUNPHY, RICHARD J. . . . .      | '79 | . NEW YORK CITY        |
| DURIO, CYRIACUS . . . . .       | '84 | . ARNAUDVILLE, LA.     |
|                                 |     |                        |
| EGAN, DANIEL F. . . . .         | '90 | . NEW YORK CITY        |
| EILBACHER, AUGUST . . . . .     | '95 | . ELIZABETH, N. J.     |
| ELLIOT, WARREN . . . . .        | '74 | . CINCINNATI, O.       |
| ENTWISTLE, JILSON . . . . .     | '71 | . WASHINGTON, D. C.    |
| ESCALANTE, NICHOLAS . . . . .   | '88 | . MERIDA, YUCATAN      |
|                                 |     |                        |
| FAGAN, JOSEPH . . . . .         | '74 | . BROOKLYN, N. Y.      |
| FARRELLY, LAWRENCE D. . . . .   | '04 | . NEW YORK CITY        |
| FAY, JOSEPH . . . . .           | '76 | . NEW YORK CITY        |
| FERNANDEZ, ISIDRO J. . . . .    | '10 | . HAVANA, CUBA         |
| FINNEGAN, JOHN . . . . .        | '77 | . BROOKLYN, N. Y.      |
| FINEGAN, JAMES E. . . . .       | '99 | . HAVERSTRAW, N. Y.    |
| FITZGERALD, MICHAEL . . . . .   | '78 | . TROY, N. Y.          |
| FITZPATRICK, WILLIAM J. . . . . | '99 | . NEW YORK CITY        |
| FLANAGAN, JOSEPH B. . . . .     | '98 | . NEW YORK CITY        |
| FLYNN, JOHN . . . . .           | '75 | . NEW YORK CITY        |
| FOX, PATRICK . . . . .          | '76 | . NEW YORK CITY        |
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| GALLAGHER, VINCENT J. . . . .   | '85 | . BROOKLYN, N. Y.      |
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| GIRALDI, PHILIP E. . . . .      | '93 | NEW YORK CITY        |
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| GLENNON, JAMES A. . . . .       | '79 | NEW YORK CITY        |
| GOODWIN, WILLIAM J. . . . .     | '96 | NEW YORK CITY        |
| GONZALES, MIGUEL P. . . . .     | '88 | LA PAZ, MEXICO       |
| GONZALES, PABLO M. . . . .      | '89 | LA PAZ, MEXICO       |
| GRAHAM, JOHN M. . . . .         | '93 | NEW YORK CITY        |
| GRIFFIN, JOHN . . . . .         | '82 | SAN FRANCISCO, CAL.  |
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| HALL, ROBERT L. . . . .         | '78 | JERSEY CITY, N. J.   |
| *HAMILTON, WALTER S. . . . .    | '98 | NEW YORK CITY        |
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| McALEER, JAMES E. . . . .       | '85 | LOWELL, MASS.     |
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| McMANIS, JAMES P. . . . .       | '71 | CHICAGO           |
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| MAGUIRE, BERNARD J. . . . .     | '91 | NEW YORK CITY     |
| MANGIN, THOMAS . . . . .        | '90 | NEW YORK CITY     |
| MARISTANY, JUAN B. . . . .      | '09 | HAVANA, CUBA      |
| MARTIN, EDWARD R. . . . .       | '08 | NEW YORK CITY     |
| MEARA, CHARLES E. . . . .       | '08 | NEW YORK CITY     |
| MEARA, JAMES J. . . . .         | '06 | NEW YORK CITY     |
| MEATH, THOMAS K. . . . .        | '71 | MEMPHIS, TENN.    |
| MEERT, FREDERICK W. . . . .     | '90 | NEW YORK CITY     |
| MEERT, VICTOR E. . . . .        | '91 | NEW YORK CITY     |
| MESA, ANTONIO . . . . .         | '74 | HAVANA, CUBA      |
| MILLER, CHARLES J. . . . .      | '85 | NEW YORK CITY     |
| MILLER, GEORGE E. . . . .       | '87 | NEW YORK CITY     |
| MOCLAIR, WILLIAM J. . . . .     | '98 | NEW YORK CITY     |
| MOLLOY, THOMAS J. . . . .       | '96 | SYRACUSE, N. Y.   |
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| MOONEY, FRANCIS J. . . . .      | '80 | NEW YORK CITY     |
| MOORE, WILLIAM A. . . . .       | '04 | NEW YORK CITY     |
| MOORE, EDWARD J. . . . .        | '03 | NEW YORK CITY     |
| *MORLOT, GEORGE M. . . . .      | '86 | PATERSON, N. J.   |
| MORRISSEY, PATRICK M. . . . .   | '90 | HAVERSTRAW, N. Y. |
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| MULLEN, JAMES H. . . . .        | '04 | AVOCA, PA.        |
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| NORRIS, ALFRED . . . . .        | '72 | CINCINNATI, O.    |
|                                 |     |                   |
| O'BRIEN, THOMAS H. . . . .      | '01 | OCEANIC, N. J.    |
| O'BRIEN, FREDERICK L. . . . .   | '04 | BOSTON, MASS.     |
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| O'CALLAGHAN, NORBERT F. . . . . | '06 | BROOKLYN, N. Y.   |
| O'CONNELL, TIMOTHY J. . . . .   | '98 | NEW YORK CITY     |
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| O'DONOVAN, ALFRED J. . . . .    | '98 | NEW YORK CITY     |
| O'HARA, THOMAS F. . . . .       | '04 | WAVERLY, N. Y.    |
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| PRESTON, JOSEPH C. . . . .         | '83 | . ROCHESTER, N. Y.      |
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| RAMELLA, PABLO . . . . .           | '77 | . CARACAS, VENEZUELA, S |
| REDDING, EDWARD J. . . . .         | '08 | . CLEARFIELD, PA.       |
| ROCHE, EDWARD B. . . . .           | '71 | . NEW YORK CITY         |
| ROCK, ROYAL E. . . . .             | '03 | . CENTERDALE, R. I.     |
| REDDING, JAMES . . . . .           | '79 | . NEW YORK CITY         |
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| REILLY, JAMES . . . . .            | '76 | . NEW YORK CITY         |
| ROGERS, JOHN . . . . .             | '74 | . RICHMOND, VA.         |
| ROLAND, THOMAS F. . . . .          | '07 | . NEW YORK CITY         |
| RONAN, JOHN . . . . .              | '74 | . ALBANY, N. Y.         |
| *RONAN, JAMES B. . . . .           | '77 | . ALBANY, N. Y.         |
| RYAN, MICHAEL F. . . . .           | '96 | . NEW YORK CITY         |
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| SAIZAN, JOSEPH P., M.D. . . . .    | '83 | . OPELOUSAS, LA.        |
| SARDI, LUCIAN A. . . . .           | '06 | . FORT LEE, N. J.       |
| SCHALL, XAVIER . . . . .           | '71 | . PHILADELPHIA, PA.     |
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| SHANKEY, JOHN J. . . . .           | '75 | . HAVERSTRAW, N. Y.     |
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| SHEEHAN, EDWARD A. . . . .         | '87 | . NEW HAVEN, CONN.      |
| *SHERIDAN, PHILIP H. . . . .       | '84 | . ELIZABETH, N. J.      |
| SMITH, JAMES T. . . . .            | '84 | . NEWARK, N. J.         |
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| VANVALKENBURGH, GEORGE B. . . | '90 . | LEXINGTON, KY.     |
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| VINDOSOLA, JOSÉ V. . . . .    | '78 . | HAVANA, CUBA       |
|                               |       |                    |
| *WALLACE, JAMES A. . . . .    | '79 . | ALBANY, N. Y.      |
| WALSH, CHARLES H. . . . .     | '02 . | NEW YORK CITY      |
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| WATTERS, GEORGE W. . . . .    | '84 . | ROCHESTER, N. Y.   |
| *WATTERS, FRANCIS D. . . . .  | '78 . | ROCHESTER, PA.     |
| WEIS, FREDERICK J. . . . .    | '86 . | WATERBURY, CONN.   |
| WELCH, EDWARD F. . . . .      | '93 . | PORTSMOUTH, N. H.  |
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## COLLEGE SOCIETIES

### THE APOSTLESHIP OF PRAYER.

This Society is established among the students for the purpose of fostering piety and of acquiring more thoroughly the spirit of Christianity.

### MANHATTAN COLLEGE ALUMNI SOCIETY.

The object of the Society is to keep alive among the Alumni a sentiment of affection for their Alma Mater, and to unite the graduates of successive years by a common tie of fellowship.

Regular meetings are held on Commencement day, after the graduating exercises, and on or about the 22d of February.

There are three reunions of the Society each year: at the Alumni dinner, at the Memorial Mass on Decoration day, and at the reception of the newly graduated class on Commencement day.

### MANHATTAN COMMERCIAL ALUMNI SOCIETY.

The Manhattan Commercial Alumni Association was organized September 5, 1901. Two meetings are held yearly.

### DE LA SALLE LITERARY SOCIETY.

This Society is confined to the students of the Senior year. The end proposed is the free discussion of questions pertaining to Philosophy, which have been suggested, but not fully treated in the class-room. The Professor of Philosophy acts as Moderator.

### NEWMAN LITERARY SOCIETY.

The members of the Junior Class form this Society. The exercises, consisting of original essays and debates on literary or other subjects, are held weekly. The Professor of English Literature acts as Moderator.



### HUGHES LITERARY SOCIETY.

This Society consists of the students of the Sophomore year. Meetings are held twice a month, the principal exercises of which are debates on historical and scientific subjects, and on questions of the day, as well as essays on various topics. The senior Professor of the class acts as Honorary President.

### McCLOSKEY LITERARY SOCIETY.

This Society, composed of the members of the Freshman Class, holds its regular meeting on Friday afternoon. The exercises consist principally of debates on various subjects to train the students to fluency of speech and readiness in argument.

### CORRIGAN LITERARY SOCIETY.

The students of the Fourth Year High School have formed a literary society, which they have named after the late Archbishop of New York. They hold regular monthly meetings, and sometimes class-exercises, to which the College students are invited.

### THE FARLEY DEBATING SOCIETY.

This Society is composed of the Senior students of the Commercial Department. Weekly meetings are held at which subjects pertaining to business and commerce are discussed. The study of parliamentary law is insisted on and great stress is laid on correct diction. Debates and literary exercises alternate at the weekly meetings. The Principal of the Department acts as Moderator.



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# Manhattan College

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New York City

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# Manhattan College

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NEW YORK

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CONDUCTED BY  
THE BROTHERS OF THE CHRISTIAN SCHOOLS

1911-'12

## OFFICERS OF THE COLLEGE

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## COLLEGE CALENDAR

---

1911.

- January    3—Tuesday—Class Exercises resumed.  
            30—Monday—Quarterly Examinations.
- February 13—Monday—Lincoln Day—Holiday.  
            17—Friday—High School Contest in Elocution.  
            22—Wednesday—Washington's Birthday—Holiday.
- March     16—Thursday—Contest for Grady Medal.  
            17—Friday—St. Patrick's Day—Holiday.
- April      7—Friday—Quarterly Examinations.  
            12—Wednesday—Easter Vacation begins.  
            20—Thursday—Class Exercises resumed.
- May       15—Monday—Feast of St. John Baptist De La Salle.  
            19—Friday—School of Commerce Contest in Elocution.  
            25—Thursday—Ascension Day—Holiday.  
            30—Tuesday—Memorial Services for Deceased Alumni.
- June       5—Monday—Undergraduate Examinations begin.  
            8—Thursday—Senior Class Day.  
            13—Tuesday—Commencement Exercises.
- September 11—Monday—Registration Day.  
            12—Tuesday—Class Exercises begin.
- October    12—Thursday—Columbus Day—Holiday.  
            16—Monday—Annual Retreat.
- November 1—Wednesday—All Saints' Day—Holiday.  
            7—Tuesday—Election Day.  
            13—Monday—Quarterly Examinations.  
            30—Thursday—Thanksgiving Day.
- December 8—Friday—Immaculate Conception—Holiday.  
            21—Thursday—Christmas Recess begins.

1912.

- January 2—Tuesday—Class Exercises resumed.  
29—Monday—Quarterly Examinations.
- February 12—Monday—Lincoln Day—Holiday.  
16—Friday—High School Contest in Elocution.  
22—Thursday—Washington's Birthday—Holiday.
- March 15—Friday—Contest for Grady Medal.
- April 3—Wednesday—Easter Recess begins.  
11—Thursday—Class Exercises resumed.  
15—Monday—Quarterly Examinations.
- May 15—Wednesday—Feast of St. John Baptist De LaSalle  
16—Thursday—Ascension Day—Holiday.  
30—Thursday—Services for Deceased Alumni.
- June 10—Monday—Examinations.  
18—Tuesday—Commencement Exercises.
- September 9—Monday—Registration Day.  
10—Tuesday—Class Exercises begin.
- October 12—Saturday—Columbus Day—Holiday.  
21—Monday—Annual Retreat.
- November 1—Friday—All Saints' Day—Holiday.  
5—Tuesday—Election Day.  
18—Monday—Quarterly Examinations.  
28—Thursday—Thanksgiving Day—Holiday.
- December 21—Saturday—Christmas Recess begins.

# Manhattan College



MANHATTAN COLLEGE was incorporated in 1863 by the Regents of the University of the State of New York. The College comprises two departments of study, each offering several courses leading to degrees.

The courses of the Arts Department lead to the degrees of Bachelor of Arts and Master of Arts. The requirements for admission and the courses of study will be found under their proper headings.

The courses of the Civil Engineering Department lead to the degrees of Bachelor of Science and Civil Engineer.

The importance of the natural and experimental sciences is emphasized in the courses given in physics, chemistry, geology and physiology. These courses are of special benefit to those who intend to study medicine. Of no less advantage for the intending law student are the courses in logic, political economy and social science. For students who intend to embrace the teaching profession, there are courses in pedagogy, psychology and the history of education. These courses are recognized by the Department of Public Instruction of the State of New York and by the Board of Education of New York City.

Besides the College proper, there is the High School, with a four years' course, which prepares for the Freshman class.

The studies of the School of Commerce include all subjects necessary for a thorough training in business methods.



The studies of the Grammar School cover the pre-academic work prescribed by the Board of Regents.

The Collegiate year begins on the second Tuesday in September and ends on the last Tuesday in June. It comprises two terms, the first beginning on the second Tuesday in September and the second on the first day of February.

The courses of study adopted by the institutions affiliated to the College agree with those pursued in the High School, and thus offer to students graduating from them the advantage of entering without further examination. Students from these institutions who desire advanced standing must satisfy the Board of Examiners that their previous studies qualify them for the class which they desire to enter.

## MANHATTAN COLLEGE COMPRISES

THE ARTS DEPARTMENT and  
THE ENGINEERING DEPARTMENT

## PREPARATORY SCHOOLS

THE HIGH SCHOOL  
THE SCHOOL OF COMMERCE  
THE GRAMMAR SCHOOL

## AFFILIATED INSTITUTIONS

DE LA SALLE INSTITUTE, New York City  
LA SALLE ACADEMY, New York City  
CLASON POINT MILITARY ACADEMY, New York City  
LA SALLE INSTITUTE, Troy, N. Y.  
LA SALLE ACADEMY, Providence, R. I.  
ST. JOSEPH'S COLLEGIATE INSTITUTE, Buffalo, N. Y.  
ST. JAMES' HIGH SCHOOL, Brooklyn, N. Y.  
ST. JOSEPH'S HIGH SCHOOL, Manchester, N. H.  
CHRISTIAN BROTHERS' ACADEMY, Albany, N. Y.  
CHRISTIAN BROTHERS' ACADEMY, Syracuse, N. Y.

## PRIZES AND MEDALS

1. A purse of \$50 is awarded by the Alumni Society to the best English essayist of the Graduating class. The prize contest consists of two essays, one prepared and the other extemporaneous. The subject of the first is announced at the beginning of the month of October, and the essay must be presented not later than the second Tuesday of April. The subject of the second is announced when the candidates are assembled in the examination hall.

2. THE MILMO-McGOWAN MEDAL for religious instruction was founded by Mrs. B. McGowan, in memory of her son, Mr. Michael J. McGowan, '69. This medal is awarded on competitive examination on the subject matter of the four years' course in dogma and moral, and church history. The examination takes place at the end of May.

3. THE KELLY MEDAL for philosophy, offered to the students of the Senior Class, was founded by the late Mr. Eugene Kelly, of New York City. This medal is awarded for proficiency in logic, metaphysics, and psychology.

4. THE GRADY MEMORIAL MEDAL for oratory was founded by the Alumni Society in memory of Rev. John M. Grady, '69. The contest for this medal is open to all College students.

5. THE MEDAL for the philosophy of history, donated by the Rev. Matthew A. Taylor, is awarded to the student of the Senior Class who obtains the highest average in this subject.

6. THE LAVELLE MEDAL for pedagogy, offered by the Right Rev. Monsignor Lavelle, '73, Rector of St. Patrick's Cathedral, New York, is awarded to the student who obtains the highest percentage.

7. THE HOGUET MEDAL for civil engineering, the gift of Mr. Robert J. Hoguet, is awarded to the Senior science student who has the highest record for the year.

8. THE DEVELIN MEDAL for French, founded by Mr. Charles E. Miller, of New York City, in honor of his friend, Mr. John E. Develin, is awarded by competitive examination on the matter of the four years' College course.

9. THE RIDDER PURSE of fifty dollars for experimental physics is offered by Mr. Herman Ridder to the student of the Junior Class who obtains the highest marks in this subject during the year.

10. THE DOELGER MEDAL for German, the gift of Mr. Peter Doelger, is awarded to the student of the Junior Class who has the highest record for the year.

## FEES

|                                                                               |          |
|-------------------------------------------------------------------------------|----------|
| Board, tuition, physician's fee, washing, per session of ten months . . . . . | \$350 00 |
| Day Students ; Collegiate and Commercial . . . . .                            | 100 00   |
| Day Students ; High School . . . . .                                          | 75 00    |
| Dinner at College . . . . .                                                   | 60 00    |
| Use of laboratory and apparatus for any one course . . . . .                  | 10 00    |
| Use of typewriter . . . . .                                                   | 10 00    |
| Use of library . . . . .                                                      | 2 00     |
| Music: piano, \$80 ; mandolin, \$50 ; violin, \$50.                           |          |
| Graduation fee . . . . .                                                      | 10 00    |
| Certificate fee . . . . .                                                     | 5 00     |

For the support of athletics, the student body levies a tax of five dollars on every member of the respective classes.

Payment for the half session of five months is required in advance.

Remittances from outside New York City are to be made by draft or by post-office order, payable at Station J.

## ENTRANCE REQUIREMENTS

These requirements conform to the standards prescribed by the Regents of the University of the State of New York.

1. ENGLISH.—Candidates for admission to the Freshman class must pass a written examination in English; and no candidate will be admitted whose spelling, diction, or paragraphing is notably defective.

READING.—A certain number of books is set for reading. The candidate will be required to give evidence of a general knowledge of the subject-matter, and to answer simple questions on the lives of the authors. The form of examination will usually be the writing of a paragraph or two on each of several topics, to be chosen by the candidate from a number set before him in the examination paper. These topics, which are assigned to test the candidate's power of clear and accurate expression, will call for only a general knowledge of the substance of the books. In place of a part or the whole of this test, the candidate may present an exercise book, properly certified by his instructor, containing compositions or other written work done in connection with the reading of the books. As a preparation for this part of the entrance requirements, it is important that the candidate be well versed in the fundamental principles of rhetoric.

The books selected for reading are:

Shakespeare, *Henry V.* and *Julius Caesar*; Franklin, *Autobiography*; Goldsmith, *The Deserted Village*; Hawthorne, *The House of the Seven Gables*; Dickens, *A Tale of Two Cities*; Irving, *Sketch Book*; De Quincey, *Joan of Arc* and *The English Mail Coach*; Poe, *Poems*; Macaulay, *Lays of Ancient Rome*; Longfellow, *The Courtship of Miles Standish*, or Browning, *The Pied Piper and other Poems*.



**STUDY AND PRACTICE.**—This part of the examination presupposes the thorough study of each of the works named below. The examination will be upon form, structure, and subject matter. In addition, the candidate may be required to answer questions involving the essentials of English grammar, and on the leading facts in those periods of English literary history to which the prescribed books belong.

The books set for this part of the examination are :

Shakespeare, *Macbeth*; Milton, *Lycidas*, *Comus*, *L'Allegro* and *Il Penseroso*; Burke, *Speech on Conciliation with America*, or *Washington's Farewell Address* and *Webster's First Bunker Hill Oration*; Macaulay, *Life of Johnson*, or Carlyle, *Essay on Burns*.

2. **HISTORY.**—History of the United States and Civil Government, and (a) History of England, or (b) History of France, or (c) History of Greece and Rome.

The following works will serve to show the knowledge expected in History: Montgomery's *History of the United States*; Anderson's *History of England*; Montgomery's *History of France*; Myer's *History of the Roman People*; Myer's *History of Greece*.

3. **ALGEBRA**—Wentworth's *School Algebra*, or equivalent.

4. **GEOMETRY.**—Wentworth's *Plane and Solid Geometry*, or equivalent.

5. **PLANE TRIGONOMETRY.**—Wentworth's *Plane Trigonometry*.

6. **FRENCH.**—Grammar, sight translation. Composition based upon the following books :

De Maistre, *Voyage autour de ma Chambre*; Mairét, *La Tâche du petit Pierre*; Halévy, *L'Abbé Constantin*; Daudet, *Le Siège de Berlin*, and Merimée, *Colomba*.

7. GERMAN.—Grammar, sight translation. Composition based upon the following books:

Hillern, *Hoher als die Kirche*; Hauff, *Das Kalte Herz*; Freytag, *Die Journalisten*; Storm, *Immensee*.

8. CHEMISTRY.—A course of at least sixty experiments made by the candidate, with note-book certified by the teacher.

9. PHYSICS.—Knowledge of the general principles of Physics, and their applications. Each candidate must present a note-book containing a description of at least forty experiments which he has performed.

The following will be accepted in place of French and German:

LATIN.—Grammar, Allen & Greenough's or equivalent, including prosody. Cæsar, *Gallic War*, Books I-IV. Cicero, six orations. Reading at sight of a short passage of easy Latin prose. Vergil, *Æneid*, Books I-VI. Latin prose composition.

GREEK.—Grammar, Goodwin's or equivalent, including prosody. Xenophon, *Anabasis*, Books I-III. Homer, *Iliad*, Books I-III. Greek prose composition, Jones, twenty exercises or equivalent.

Students presenting Latin and Greek for admission will be required to take a special course in French and German during the Freshman year, and will thereafter follow the regular programme.

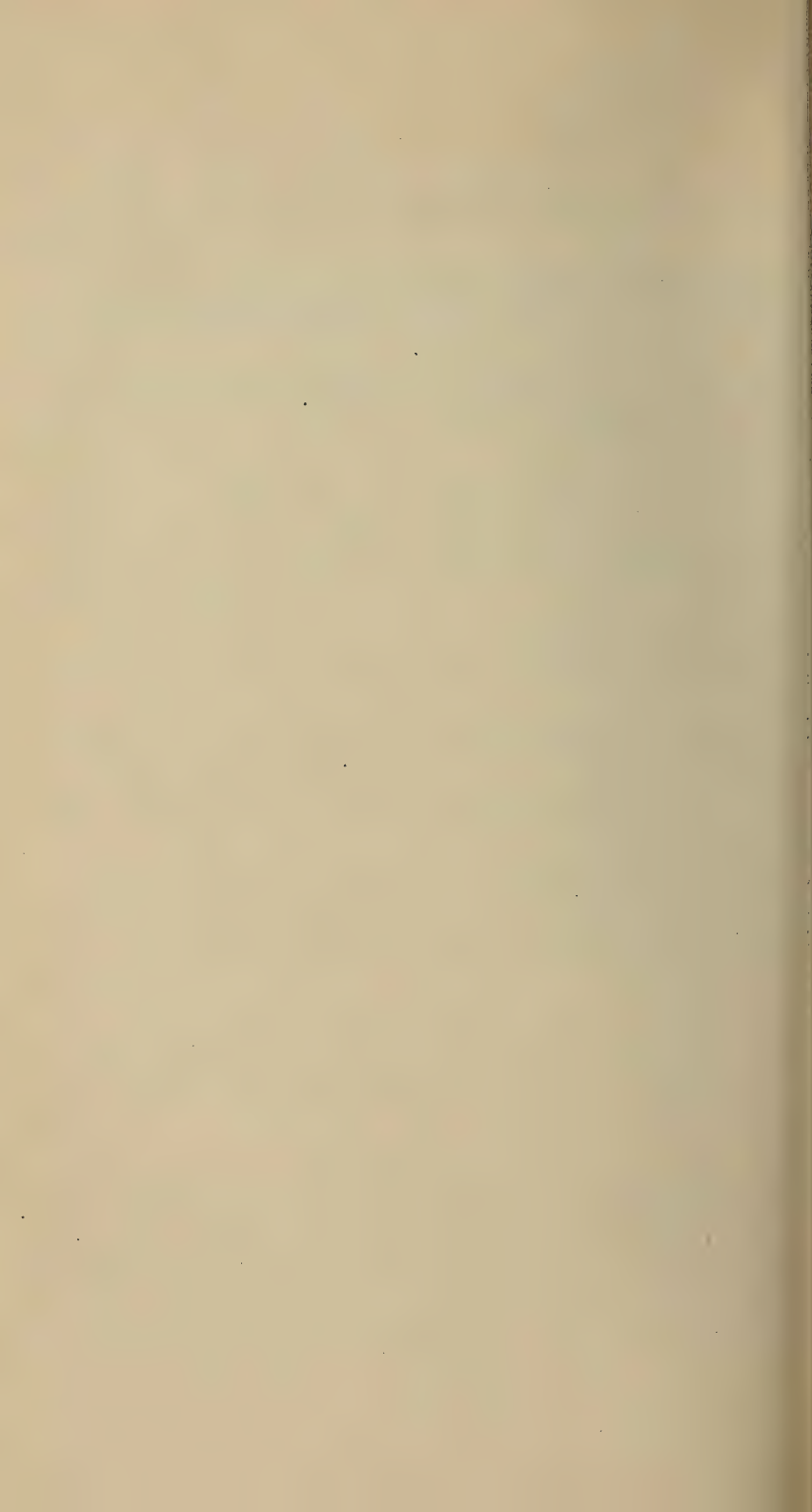
A certificate of the Regents of the University of the State of New York will be received in lieu of the entrance examination, provided it has been issued within the year, or that the candidate has a certificate of continued study since its date of issue. The candidate will, however, be examined on such branches as are not included in the Regents' certificate.

## UNITS REQUIRED.

The college entrance requirements throughout the country have recently been based on a system of units, the unit being the equivalent of five periods a week for one year in a study.

On this rating, our requirements for entrance to the Freshman Class are as follows:

|                                       |               |          |
|---------------------------------------|---------------|----------|
| English . . . . .                     | 3             | units    |
| Algebra . . . . .                     | 2             | "        |
| Plane Geometry . . . . .              | 1             | "        |
| Solid Geometry . . . . .              | $\frac{3}{5}$ | "        |
| Trigonometry . . . . .                | $\frac{3}{5}$ | "        |
| Physical Geography . . . . .          | 1             | "        |
| Biology . . . . .                     | 1             | "        |
| Physics . . . . .                     | 1             | "        |
| Chemistry . . . . .                   | 1             | "        |
| Ancient History . . . . .             | $\frac{3}{5}$ | "        |
| Medieval and Modern History . . . . . | $\frac{3}{5}$ | "        |
| English History . . . . .             | $\frac{3}{5}$ | "        |
| American History and Civics . . . . . | 1             | "        |
| French . . . . .                      | 4             | "        |
| German . . . . .                      | 2             | "        |
|                                       |               | <hr/>    |
|                                       |               | 20 units |



## GENERAL REGULATIONS

Every candidate for admission must present a certificate of good character.

At the beginning of the first year, each student elects the course which he desires to follow; no student may afterwards change his course without permission of the Faculty.

Punctuality at all the exercises is required. Students absent from the opening of either the morning or the afternoon session, will not be admitted to class without a note from the Inspector. No student who has exceeded the limit of absences from recitations will be entitled to take the examination.

Examinations are held semi-annually, in January and June, in all the subjects studied during the intervening periods. Special examinations in any subject may be held at the option of the Professor. Drawing and laboratory work count for half a recitation each.

Absence from an examination, unless excused by the Faculty, will be considered a failure.

Should a student fail in any one of the regular examinations, he may be permitted to take another examination at the opening of the following term, or at such time as may be fixed by his Professor.

Seventy per cent. in each subject constitutes a pass in both departments of the College.

The final standing of each student is determined by his examination results together with the average of his year's class-marks in each subject.

Every candidate for a degree is required to present a written thesis on a subject connected with his course. The subject selected must be submitted for approval to the Professor of the department to which it belongs, on or before February 1. Such help and guidance may be offered the candidate as the Professor shall judge right, and the completed thesis shall be handed in for approval on or before May 30.

Theses shall contain not less than two thousand words, and must be typewritten on paper 13x8, with a margin of an inch and a half. Science theses must be accompanied by the necessary drawings and illustrations. All approved theses become the property of the College and are placed in charge of the Librarian.

If a student fail to present his thesis, or if the thesis be rejected, he shall not be recommended for his degree.

No degree or other testimonial will be conferred on any student who has not satisfactorily completed the prescribed courses.

At the discretion of the Faculty, a certificate of proficiency may be given to a student who has followed, under the direction of the Faculty, a special course of one or more subjects, and who gives evidence of satisfactory proficiency.

N. B.—No course outlined in this catalogue will be given unless there is a sufficient number of applicants.



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ARTS DEPARTMENT

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## ARTS DEPARTMENT

The studies of this department for the Freshman and Sophomore years are prescribed; but in the Junior and Senior years elective courses are open to the student. In the Junior year, aspirants to the teaching profession begin to specialize for their future work.

Studies in literature, political science, pedagogy, and philosophy are supplemented by the discussion of pertinent articles in the leading periodicals of America and Europe.

The entrance requirements will be found on page 12.

Students who successfully complete one of the prescribed courses of this department receive the degree of Bachelor of Arts.

For the degree of Master of Arts, see page 32.

## ARTS DEPARTMENT.

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### FRESHMAN CLASS.\*

| FIRST TERM.             |     |        | SECOND TERM.            |     |        |
|-------------------------|-----|--------|-------------------------|-----|--------|
| FRENCH,                 | (4) | 63     | FRENCH,                 | (4) | 63     |
| GERMAN,                 | (4) | 69     | GERMAN,                 | (4) | 69     |
| ENGLISH,                | (4) | 53, 55 | ENGLISH,                | (6) | 53, 56 |
| HISTORY,                | (2) | 74     | HISTORY,                | (3) | 75     |
| MATHEMATICS,            | (3) | 89     | MATHEMATICS,            | (5) | 91, 92 |
| PHYSICS,                | (2) | 119    | PHYSICS,                | (2) | 119    |
| PHYSICAL<br>LABORATORY, | (2) |        | PHYSICAL<br>LABORATORY, | (2) |        |
| CHEMISTRY,              | (2) | 11     | CHEMISTRY,              | (2) | 13     |
| CHEMICAL<br>LABORATORY, | (3) | 12     | CHEMICAL<br>LABORATORY, | (3) | 14     |
| ELOCUTION,              | (1) | 98     | ELOCUTION,              | (1) | 98     |
| CHRISTIAN<br>DOCTRINE,  | (2) | 121    | CHRISTIAN<br>DOCTRINE,  | (2) | 121    |

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### SOPHOMORE CLASS.

| FIRST TERM.            |     |        | SECOND TERM.           |     |        |
|------------------------|-----|--------|------------------------|-----|--------|
| FRENCH,                | (4) | 64     | FRENCH,                | (4) | 64     |
| GERMAN,                | (4) | 70     | GERMAN,                | (4) | 70     |
| ENGLISH,               | (6) | 58, 59 | ENGLISH,               | (6) | 57, 59 |
| HISTORY,               | (3) | 76     | HISTORY,               | (3) | 77     |
| MECHANICS,             | (3) | 94     | MECHANICS,             | (3) | 94     |
| GEOLOGY,               | (2) | 67     | GEOLOGY,               | (2) | 68     |
| ELOCUTION,             | (1) | 99     | ELOCUTION,             | (1) | 99     |
| CHRISTIAN<br>DOCTRINE, | (2) | 122    | CHRISTIAN<br>DOCTRINE, | (2) | 122    |

\* The figures in parentheses indicate the number of hours per week; the others indicate the paragraphs in which the course is outlined.

## JUNIOR CLASS.

| FIRST TERM.             |     |          | SECOND TERM.            |     |          |
|-------------------------|-----|----------|-------------------------|-----|----------|
| FRENCH,                 | (4) | 65       | FRENCH,                 | (4) | 65       |
| GERMAN,                 | (4) | 71, 72   | GERMAN,                 | (4) | 71, 72   |
| ENGLISH,                | (5) | 54, 60   | ENGLISH,                | (5) | 60       |
| PHILOSOPHY,             | (4) | 107, 109 | PHILOSOPHY,             | (4) | 108      |
| PHYSICS,                | (3) | 120      | PHYSICS,                | (3) | 120      |
| PHYSICAL<br>LABORATORY, | (3) |          | PHYSICAL<br>LABORATORY, | (3) |          |
| ORATORY,                | (1) | 99       | ORATORY,                | (1) | 100      |
| CHRISTIAN<br>DOCTRINE,  | (2) | 123      | CHRISTIAN<br>DOCTRINE,  | (2) | 123      |
| ASTRONOMY,              | (2) | 1        | ASTRONOMY,              | (2) | 1        |
| PEDAGOGY,               | (3) | 102, 104 | PEDAGOGY,               | (3) | 102, 104 |

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## ELECTIVES.

| FIRST TERM.                         |     |     | SECOND TERM. |                            |      |     |
|-------------------------------------|-----|-----|--------------|----------------------------|------|-----|
| BIOLOGY,                            | (4) | 4   | BIOLOGY,     | (4)                        | 4, 5 |     |
| SPANISH,                            | (2) | 125 | {            | SPANISH,                   | (2)  | 125 |
| AMERICAN POLITICAL<br>INSTITUTIONS, | (1) | 81  |              | EUROPEAN<br>CONSTITUTIONS, | (1)  | 82  |
| CHURCH HISTORY,                     | (1) | 86  |              | CHURCH HISTORY,            | (1)  | 86  |

# SENIOR CLASS.

|                   |     |          |               |     |              |
|-------------------|-----|----------|---------------|-----|--------------|
| ENGLISH,          | (4) | 61       | ENGLISH,      | (4) | 62           |
| PHILOSOPHY OF     |     |          | PHILOSOPHY OF |     |              |
| HISTORY,          | (2) | 85       | HISTORY,      | (2) | 85           |
| ONTOLOGY AND COS- |     |          | EPISTEMOLOGY, | (4) | 113          |
| MIC PHILOSOPHY,   | (4) | 110, 111 | PSYCHOLOGY,   | (4) | { 112<br>117 |
| HISTORY OF        |     |          | HISTORY OF    |     |              |
| PHILOSOPHY,       | (2) | 118      | PHILOSOPHY,   | (2) | 118          |
| ECONOMICS,        | (2) | 47       | ECONOMICS,    | (2) | 48           |
| ORATORY,          | (1) | 101      | ORATORY,      | (1) | 101          |
| NATURAL           |     |          | ETHICS,       | (2) | 115, 116     |
| THEOLOGY,         | (2) | 114      | FRENCH,       | (4) | 66           |
| FRENCH,           | (4) | 66       | GERMAN,       | (3) | 73           |
| GERMAN,           | (4) | 73       |               |     |              |

# ELECTIVES

|                 |     |          |                |     |          |
|-----------------|-----|----------|----------------|-----|----------|
| BIOLOGY,        | (2) | 2, 3, 4  | BIOLOGY,       | (2) | 2, 3, 4  |
| { PRINCIPLES OF |     |          | { SOCIOLOGY,   | (3) | 52       |
| GOVERNMENT,     | (3) | 49       | REPRESENTATIVE |     |          |
| PUBLIC FINANCE  | (2) | 50       | GOVERNMENT,    | (2) | 51       |
| { AMERICAN      |     |          | { AMERICAN     |     |          |
| HISTORY,        | (2) | 83       | HISTORY,       | (2) | 83       |
| HISTORY OF OUR  |     |          | HISTORY OF OUR |     |          |
| TIMES,          | (1) | 80       | TIMES,         | (1) | 80       |
| SPANISH,        | (3) | 126      | SPANISH,       | (3) | 126, 127 |
| PEDAGOGY,       | (3) | 103, 105 | PEDAGOGY,      | (3) | 103, 105 |



## PEDAGOGY

The regular College work in logic and psychology satisfies the requirements of both State and City Superintendents of Public Instruction, under whose immediate direction examinations in the history of education and in method are held. Upon completing a satisfactory examination in these subjects, the candidate receives a license to teach for three years, after which period, if successful experience can be demonstrated, the provisional license may be exchanged for a life certificate.

The main requisite is that the candidate be a graduate from a college or university recognized by the Regents of the University of the State of New York, wherein at least one year was spent in pedagogical study amounting to not less than 210 hours, with attendance upon lectures or recitations, as follows: logic or psychology, at least 90 hours; history and principles of education and methods of teaching, at least 120 hours.

The courses offered to the students in Pedagogy are:

JUNIOR YEAR.—Logic, 60 hours.

History of Education and  
Principles of education, 90 hours.

SENIOR YEAR.—Psychology, 90 hours.

Method in teaching, 60 hours.  
Observation, 20 hours.

## STATE REQUIREMENTS FOR THE STUDY OF LAW AND MEDICINE

In the interest of students who intend, after graduation, to take up the study of law or medicine, the following notes are added:

An office clerkship is no longer required of young men applying for admission to the New York bar. Applicants must be at least eighteen years of age, in order to have their time of study counted toward the required period. If they are not graduates of a university or college in good standing, they must file with the clerk of the court of appeals a Regents' law-student certificate.

College graduates may complete the prescribed law course in two years.

The period of eighteen months of office clerkship required for admission is satisfied by an equal time spent in a New York law school.

Candidates for admission to a medical college must be at least eighteen years of age and present satisfactory evidence of moral character. If not graduates of a university or college in good standing, they must present a Regents' academic diploma or its equivalent.

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ENGINEERING DEPARTMENT

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## COURSE IN CIVIL ENGINEERING

The work of this department is planned to give the student a liberal education, and to enable him, after graduating, to derive immediate profit from his professional career.

The course in Civil Engineering comprises surveying, road and railroad engineering, bridge engineering, hydraulics and water-works, and reinforced concrete construction.

The work is both theoretical and practical. The lectures of the class-room are supplemented by field-work and visits to places of engineering interest.

The Summer Course in topographical surveying begins in the middle of June and extends over a period of four weeks.

The reading and discussion of the principal scientific and technical periods form an essential feature of this department.

Students who successfully complete this course receive the degree of Bachelor of Science in Civil Engineering. For the degree of Civil Engineer, see page 32.

The entrance requirements are the same as for the Arts Department, page 12.

# THE COURSE IN CIVIL ENGINEERING.

## FRESHMAN CLASS.\*

| FIRST TERM.      |     |        | SECOND TERM.     |     |        |
|------------------|-----|--------|------------------|-----|--------|
| MATHEMATICS,     | (3) | 89     | ANALYTICAL       |     |        |
| PHYSICS,         | (2) | 119    | GEOMETRY,        | (5) | 91, 92 |
| PHYSICAL         |     |        | PHYSICS,         | (2) | 119    |
| LABORATORY,      | (2) |        | PHYSICAL         |     |        |
| SURVEYING,       | (3) | 16     | LABORATORY,      | (2) |        |
| CHEMISTRY,       | (2) | 11     | SURVEYING,       | (3) | 16     |
| CHEMISTRY, LABO- |     |        | CHEMISTRY,       | (2) | 13     |
| RATORY WORK,     | (2) | 12     | CHEMISTRY, LABO- |     |        |
| ENGLISH,         | (4) | 53, 55 | RATORY WORK,     | (2) | 14     |
| GERMAN,          | (4) | 69     | ENGLISH,         | (6) | 56     |
| DESCRIPTIVE      |     |        | GERMAN,          | (4) | 69     |
| GEOMETRY,        | (2) | 42     | DESCRIPTIVE      |     |        |
| DRAFTING,        | (4) | 39, 40 | GEOMETRY,        | (2) | 42     |
| ELOCUTION,       | (1) | 98     | DRAFTING,        | (4) | 39, 40 |
| CHRISTIAN        |     |        | ELOCUTION,       | (1) | 98     |
| DOCTRINE,        | (2) | 121    | CHRISTIAN        |     |        |
|                  |     |        | DOCTRINE.        | (2) | 121    |

## SOPHOMORE CLASS.

| FIRST TERM. |     |        | SECOND TERM.       |     |        |
|-------------|-----|--------|--------------------|-----|--------|
| MECHANICS,  | (3) | 94     | MECHANICS,         | (3) | 94     |
| CALCULUS,   | (3) | 93     | CALCULUS,          | (3) | 93     |
| SURVEYING,  | (3) | 17     | SURVEYING,         | (2) | 17     |
| DRAFTING,   | (6) | 41 (a) | GRAPHIC STATICS,   | (2) | 44     |
| GEOLOGY,    | (2) | 67     | DESIGN PROBLEMS,   | (6) | 45     |
| ENGLISH,    | (4) | 58, 59 | GEOLOGY,           | (2) | 68     |
| GERMAN,     | (4) | 70     | BUILDING MATERIALS |     |        |
| ELOCUTION,  | (1) | 99     | AND APPLICATION    | (2) | 38     |
| CHRISTIAN   |     |        | ENGLISH,           | (4) | 57, 59 |
| DOCTRINE,   | (2) | 122    | GERMAN,            | (4) | 70     |
|             |     |        | ELOCUTION,         | (1) | 99     |
|             |     |        | CHRISTIAN          |     |        |
|             |     |        | DOCTRINE,          | (2) | 122    |

\* The figures in parentheses indicate the number of hours; the others indicate the paragraphs in which the course is outlined.



# JUNIOR CLASS.

| FIRST TERM.       |     |          | SECOND TERM.      |     |         |
|-------------------|-----|----------|-------------------|-----|---------|
| MECHANICS AND     |     |          | ASTRONOMY,        | (2) | 1       |
| STRENGTH OF       |     |          | PHYSICS,          | (3) | 120     |
| MATERIALS,        | (2) | 95       | PHYSICAL          |     |         |
| MASONRY STRUC-    |     |          | LABORATORY,       | (3) | 120 (b) |
| TURES AND FOUN-   |     |          | MASONRY           |     |         |
| DATIONS,          | (3) | 20, 23   | STRUCTURES,       | (3) | 23      |
| METALLURGY,       | (2) | 15       | TRUSSES,          | (4) | 28      |
| PHYSICS,          | (3) | 120      | ROAD AND RAILROAD |     |         |
| PHYSICAL          |     |          | ENGINEERING,      | (3) | 18, 30  |
| LABORATORY,       | (3) | 120 (b)  | TUNNELING,        | (2) | 25      |
| ROAD AND RAILROAD |     |          | EXCAVATIONS,      | (2) | 26      |
| ENGINEERING,      | (2) | 18, 22   | DESIGN PROBLEMS,  | (4) | 45      |
| DESIGN PROBLEMS,  | (2) | 45       | ORATORY,          | (1) | 100     |
| ANALYTICAL        |     |          | PHILOSOPHY,       | (2) | 108     |
| MECHANICS,        | (2) | 96       | CHRISTIAN         |     |         |
| SURVEYING,        | (2) | 19       | DOCTRINE,         | (2) | 123     |
| ASTRONOMY,        | (2) | 1        |                   |     |         |
| ORATORY,          | (1) | 99       |                   |     |         |
| PHILOSOPHY,       | (3) | 107, 109 |                   |     |         |
| CHRISTIAN         |     |          |                   |     |         |
| DOCTRINE,         | (2) | 123      |                   |     |         |

# SENIOR CLASS.

| FIRST TERM.      |     |          | SECOND TERM.     |     |          |
|------------------|-----|----------|------------------|-----|----------|
| BRIDGES AND      |     |          | BRIDGES,         | (6) | 29       |
| BUILDING,        | (6) | 29       | CONTRACTS AND    |     |          |
| HYDRAULICS       | (3) | 23       | SPECIFICATIONS,  | (2) | 32       |
| WATER SUPPLY,    | (3) | 31       | RAILROAD         |     |          |
| SEWERS,          | (2) | 27       | ENGINEERING,     | (3) | 30       |
| CEMENT           |     |          | DESIGN PROBLEMS, | (5) | 46       |
| LABORATORY,      | (4) | 24       | DRAFTING,        | (3) | 41 (b)   |
| DESIGN PROBLEMS, | (6) | 46       | ENGLISH,         | (1) | 54       |
| DRAFTING,        | (2) | 41 (b)   | ORATORY,         | (1) | 100, 101 |
| ENGLISH,         | (1) | 54       | THESIS,          | (2) |          |
| ORATORY,         | (1) | 100, 101 | ETHICS,          | (2) | 116      |
| NATURAL          |     |          |                  |     |          |
| THEOLOGY,        | (2) | 114, 115 |                  |     |          |

## HIGHER DEGREES

Bachelors of Arts may obtain the Master's degree by pursuing an approved course of study and giving satisfactory evidence of scholarship. If such post-graduate study is not pursued in the College, the degree will not be conferred until two years after graduation.

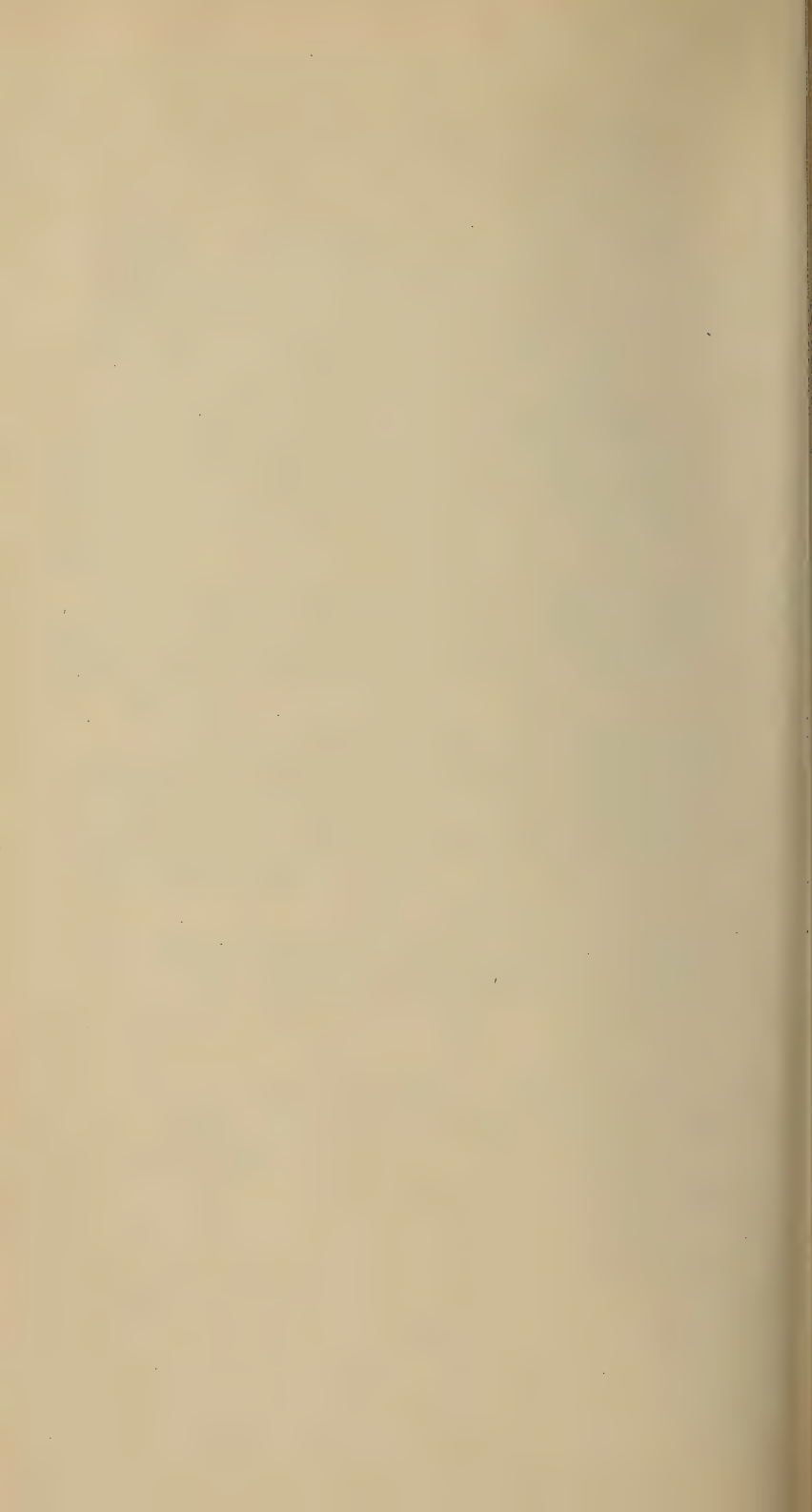
Professional study, as such, does not entitle one to the Master's degree; but original research or special and scholarly study connected with a profession may, at the discretion of the Faculty, be accepted.

Essays, theses, and dissertations intended for the Master's degree must be presented at least one month before the end of the academic year and must contain, at least, 3,000 words. The bibliography or list of works consulted must, in each case, be appended to the thesis.

If a candidate's thesis is approved, he will be informed as to the time when he will be required to meet the Board of Examiners for any further test of his qualifications which may be deemed necessary.

Bachelors of Science in Engineering may obtain the degree of Civil Engineer one year after graduation on the presentation of an approved thesis.





## COURSES OF STUDY

FOR THE MASTER'S DEGREE.

*For Master of Arts.*

Any one of the following courses:

- I. Moral Philosophy, with written thesis, making special application of its principles to mooted questions of the day.
- II. Plato or Aristotle, with the history of his influence on modern thought.
- III. A comparative study of the psychology of St. Thomas Aquinas and modern psychology.
- IV. A comparative study of Thomistic ethical principles and current theories.
- V. A critical study of Locke's influence on modern philosophy.
- VI. A critical study of Kantianism.
- VII. A critical study, with practical applications, of any *one* of the following psychologic principles as applied in teaching:  
(a) Interest; (b) Apperception; (c) Attention;  
(d) Personal Equation; (e) Imitation; (f) Free Will; (g) Character; (h) Humor; (i) Imagination.
- VIII. A critical examination of current errors in logic, psychology, or ethics.
- X. A thorough criticism of any one of the accepted texts in logic, psychology, or ethics.

- XI. A critical examination of any one of the accepted texts in the history of education.
- XII. A critical study of the growth of the novel.
- XIII. English literature. Critical analysis of any classic author from the Catholic standpoint.
- XIV. French literature, with translations at sight from any classic author, and a critical French essay on his work or his age.
- XV. German literature, with translation at sight from any classic author, and a critical German essay on his work or his age.
- XVI. Church History. Selections of important periods for research, with essays embodying results of investigation.
- XVII. A discussion of current theories in political economy.
- XVIII. A critical examination of any one of the texts commonly accepted as standard in political economy.
- XIX. A detailed examination with applications of the relations of political economy to ethics.
- XX. A critical study of Leo XIII.'s encyclicals on political questions.
- XXI. Discussion of prevalent sociological theories.
- XXII. Amplification of topics discussed by the Catholic Truth Society.

*For Master of Science.*

Any one of the following courses:

- I. Higher co-ordinate geometry of two dimensions; co-ordinate geometry of three dimensions.



- II. General theory of equations.
- III. Higher parts of the integral calculus; differential equations; calculus of variations.
- IV. Rigid dynamics.
- V. Fourier's theorem and its applications.
- VI. The wave theory treated mathematically or experimentally, or both.
- VII. The electromagnetic theory of light.
- VIII. Phenomena of Interference, diffraction and polarization.
- IX. Spectrum analysis.
- X. The kinetic theory of gases.
- XI. Conservation and dissipation of energy.
- XII. Application of the doctrine of energy to the phenomena of chemical combination.
- XIII. Thermal measurement of energy.
- XIV. Properties and phenomena of the ether.
- XV. Discharge of electricity through gases.
- XVI. Recent views on electricity.
- XVII. Higher parts of static and dynamic electricity.
- XVIII. Phenomena of alternating currents.
- XIX. Astrophysics.
- XX. Special studies in civil engineering.
- XXI. Special studies in electrical engineering.

These subjects are merely suggestive, and are intended to assist the candidate in the choice of a subject for his thesis. The treatment of the subject should be thorough and comprehensive, and should embody the result of original thought or of experimental investigation, as the case may require.

Published works of the candidate on the subject selected, articles in reviews or scientific periodicals, or contributions to the transactions of learned societies will receive due consideration from the Board of Examiners.

## COURSES OF STUDY

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### ASTRONOMY.

**1. Descriptive Astronomy.**—The dimensions of the earth, its mass and motions. Phenomena depending on the axial and the orbital motion of the earth. Determination of the figure and magnitude of the earth. Kepler's laws and applications. Phenomena depending on change of place. Fundamental principles of celestial mechanics. Dimensions and configuration of the solar system. The sun and planets. Tides, eclipses, transits.

Young, *Manual of Astronomy*.

Reference: Lodge, *The Pioneers of Science*.

**PRACTICAL ASTRONOMY.**—Construction, adjustment, and use of the sextant, transit, spectroscope and equatorial telescope. Determination of the meridian, latitude, and local time.

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### BIOLOGY.

**2. General Principles.**—Study of typical forms. Comparative study of the skeleton of typical animals. Elements of anatomy physiology and ecology. Lectures, laboratory work, visits to museums and botanical gardens.

Hunter, *Elements of Biology*.

Ritchie, *Human Physiology*.

**3. Natural History of Plant Groups.**—Structure of plants and function of the various organs. Study of phanerogams and cryptogams. Histology and physiology of plants.

Bailey, *Elements of Botany*.

4. **Zoology.**—Structure of leading types of animals; function of organs; classification; economic relations; geographical distribution. Lectures, recitations, laboratory work, visits to museums.

Burnett, *School Zoology*.

5. **Human Anatomy and Physiology.**—Lectures, illustrated with charts, models and lantern slides.

6. **The Nervous System and Its Terminal Organs.**—Lectures and illustrations, with charts, models and lantern slides.

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## CHEMISTRY.

11. **General Inorganic Chemistry.**—Preparation, properties and uses of the more important elements and inorganic compounds.

Newell, *Descriptive Chemistry*.

12. **Chemical Laboratory.**—Practice in the methods of preparing and testing the common elements and their important compounds.

13. **Qualitative Analysis.**—Description of a method of separation which experience has proved to be sufficiently simple and accurate.

14. **Laboratory Work.**—Separation of the ordinary bases and acids; Garvin, *Special tests*.

15. **Metallurgy of Iron and Steel.**—Study of the physical and chemical properties as well as the constitution and manufacture of cast iron, wrought iron, and steel.

Stoughton, *The Metallurgy of Iron and Steel*.

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## CIVIL ENGINEERING.

16. **Land Surveying.**—Theory and general principles. Adjustment and use of chain, tape, rod, vernier, level, transit and compass. Simple leveling with ordinary level, hand-level, and

barometer. Making of profile. Pacing, chain and compass surveying. Balancing, plotting, supplying omissions, and computing areas.

**17. Land Surveying.**—Theory, adjustment and use of transit. Transit, stadia, and topographical surveying. Leveling, contour lines, plotting, computing areas, use of plane table.

Pence and Ketchum, *Surveying Manual*.

**18. Road Engineering.**—Location and grading of country roads. Staking out of work. Draining and protection works. Maintenance. Foundations. City streets. Pavements: stone, wood, asphalt, brick. Tools and machinery employed in road construction. Specifications and contracts regarding roads.

Byrne, *Highway Construction*.

**19. Land Surveying.**—City surveying, triangulation, hydrographic and mining surveying.

**20. Foundations.**—Construction of timber foundation. Cofferdams of timber. Open and pneumatic caissons. Trestle foundations. Piles in foundations. Economical considerations in foundations. Estimates of cost. Methods for deep foundations.

Baker, *Foundations*.

Prelini, *Earth Slopes, Retaining Walls and Dams*.

**21. Timber Structures.**—Culverts. Pile bents. Frame bents. Bracing compound timber structures. Trestles on curves. Floor details. Connection with embankment, derailing devices, field engineering, and erection of trestle, design and estimates for a completed trestle.

Foster, *Treatise on Modern Trestle Bridges*.

**22. Railroad Surveying.**—Reconnaissance and preliminary surveys. Organization of work. Simple, compound, and transition curves. Turnouts. Cross-section work. Computation of earthwork.

Searle, *Field Engineering*.

**23. Masonry Structures.**—Theory of the slope of earth embankments; graphical and analytical methods for determining

earth-pressure as well as the thickness of retaining-walls and dams. Arches. Masonry culverts and bridges.

Baker, *Masonry construction*.

**24. Cement and Concrete.**—Portland and natural cement: raw materials, methods of manufacture, uses. Laboratory work in testing.

CONCRETE—Plain and reinforced. Selection of materials, proportions, methods of mixing and depositing; cost. Specifications for cement and steel designs.

Taylor and Thompson, *Concrete, Plain and Reinforced*.

**25. Tunneling.**—Timbering and lining of tunnels. Excavation of tunnels through rock, and through loose and treacherous soils. Subaqueous tunnels. Open cut. Subways. Ventilation of tunnels.

Prelini, *Tunneling*.

**26. Excavations.**—Earthwork, excavations by hand and machine, rock excavation, hauling on horizontal and inclined roads, hoisting cableways, trench cutting, embankment constructions, dredging and dredging materials.

Prelini, *Earth and Rock Excavation*.

Prelini, *Dredges and Dredging*.

**27. Sewers and Sewage Disposal.**—Dimensions and materials used, location, precautions in construction, study of examples, estimate of cost, surface drainage in towns and cities, separate and combined systems, capacities of main and branches, grade, flow and discharge of sewers. Methods of sewage disposal, discharge into streams; gravity and chemical precipitation. Filtration.

Folwell, *Sewerage Systems*.

**28. Theory of Trusses.**—Truss elements, loads and reactions for trusses of various designs, influence lines, and position of loads for maximum bending movement. Wheel-loads and conventional systems of analysis, stress-strain diagrams, secondary stresses in trusses, applications to highway and railroad bridges.

Merriman and Jacoby, *Roofs and Bridges*.



29. **ROOFS, BRIDGES AND BUILDINGS.**—Different classes of bridges, riveted truss or lattice bridges, pin-connected bridge, design of details for roofs and bridges, floor systems, lateral and transverse bracing. The plate girder in detail, swing bridge (different kinds), end-lifting apparatus, machinery for operating cantilever structures, single and double track trestles or viaducts in steel or timber, elevated railroads, stand-pipes. Complete designs, with estimate of cost for structure and erection.

Merriman and Jacoby, *Roofs and Bridges*.

30. **Railroad Economics.**—General theory of railroad projects. Probable volume of traffic and its probable growth. Effect of alignment on resources and operating expenses. Methods of railroad management. Construction of railroads; track laying and maintenance, frogs and switches, track accessories, records and reports.

Tratman, *Track and Track Work*.

31. **Irrigation and Water Supply.**—Drainage areas, rainfall, evaporation. Reservoir construction. Dams for storage. Regulators. Distributing reservoirs and purification of water. Velocity of flow and dimensions of canals. Distributing and lateral canals.

32. **Contracts and Specifications.**—

Johnson, *Contracts and Specifications*.

33. **Hydraulics.**—Flow of water through orifices and over weirs, gauging of weirs. Flow of water in canals. Formulæ for discharge of water from locks. Motion of water in pipes. System of pipes. Gauging water in rivers. Backflow. Resistance of water in a river, in a canal. Hydraulic motors. Ship railways.

Merriman, *Hydraulics*.

34. **Inspection Visits.**—Visits to engineering works and manufacturing establishments.

35. **Field Work.**—Surveying. Compass and transit surveys. Adjustment of instruments. Farm survey. Angle reading, repetition. Azimuth traverse.

36. **Field Work.**—Leveling. Contour sketching. Topographical surveying.



**37. Railroad Survey.**—Reconnaissance and preliminary survey. Location of line. Profile and cross-section. Computation of earth work. About two miles of road are run, and the students make all calculations required in the regular routine of office work.

**38. Building Materials.**—Stones: quarrying, working, employment. Bricks, manufacture and employment. Production and testing of lime, hydraulic lime, and cement; mortar; concrete; timber, metals; miscellaneous materials.

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## DRAWING.

**39. Mechanical Drawing.**—Use of instruments, geometrical problems, lettering, plans, elevations.

**40. Mechanical Drawing.**—Elementary projections, intersections, shades and shadows. Tinting drawings, pen-and-ink sketching.

**41 (a). Drawing.**—Stone-cutting and its application to culverts, sewers, etc. Tracing and blue-prints.

**41 (b).** First Term: Structural drafting, tracing, conventional signs and methods.

Second Term: Series of ten plates of graphical determinations of stresses in girders and trusses.

**42. Descriptive Geometry.**—Demonstrations and execution of eight plates.

Faunce, *Descriptive Geometry*.

**43. Drawing.**—Plots of survey, topographical maps, contour maps, profiles.

**44. Graphic Statics.**—Resolution of concurrent and non-concurrent forces; determination of moments, of internal stresses, of centroids and moments of inertia. Application to roofs and trusses.

Merriman and Jacoby, *Graphic Statics*.

**45. Design Problems.**—Graphic solution of problems concerning the slope of embankments, earth pressure against retaining-walls and dams; stability of retaining-walls, dams, and arches. Design of a masonry bridge with plan, elevation, longitudinal and cross-sections.

**46.—Bridge Design.**—Design of roof trusses and fixed steel bridges. Drawbridges. Elevated steel structures. Skeleton of a steel building. Computations and working drawings are made from specifications for a railroad bridge of short span, and estimates of its weight are prepared.

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## ECONOMICS, SOCIAL AND POLITICAL SCIENCE.

**47. Economics.**—Principles of production, distribution, exchange, money, banking, international trade-relation of labor and capital, present organization of industry, currency legislation of the United States.

48. Economic history of England and America.

49. Principles of government, legislation, the judiciary, the executive, suffrage, and finance.

Fiske, *Civil Government*.

50. Public expenditure. Sources of state income. Development, classification, incidents and effects of principal taxes.

Reference: Adam's *Science of Finance*.

51. Political representation in Colonial period as compared with representation at present.

**52. Principles of Sociology.**—Psychology of social types. Historical aspects of social organization, both ancient and modern. Study of modern social problems.

## ENGLISH.

**53. English Composition.**—The theory of composition with special reference to the qualities of diction and to the structure of the sentence and the paragraph. The study of exposition, narration and description. Three short themes weekly. Longer themes at regular intervals. Comments and criticisms.

**54. Argumentation and Debate.**—Study of the nature of argumentation. Exercises in analysis of classic argumentative speeches. Study of the rules and tests of evidence. Theory and practice of brief-drawing. Original forensics and argumentative essays.

Baker and Huntington, *Principles of Argumentation*.

**55. History of English Literature.**—Rapid survey of the growth and development of English literature preparatory to an intensive study of special periods. Reading of representative masterpieces.

Brother Noah, *Manual of English Literature*.

**56. History of American Literature.**—Study of the growth and special characteristics of American literature as an introduction to an intensive consideration of special periods.

**57. Literature of the Drama.**—Study of the origin and development of the English drama. Critical reading of Shakespeare's *Hamlet* or *King Lear*.

Woodbridge, *The Drama: Its Laws and Its Technique*;  
Brandes, *William Shakespeare*.

**58. English Literature of the Nineteenth Century.**—Study of the leading English authors of this period, and a critical reading of selected classics indicated in Brother Azarias's *Books and Reading*.

**59. Principles of Versification.**—Study of English verse-structure. Exercises in scansion and verse-making. Original poems.

Gummere, *Handbook of Poetics*.

**60. Anglo-Saxon Literature.**—Study of the various influencing agencies in Old English literature, and the growth and development of Old English thought from the dawn of English history down to the Norman Conquest. Critical reading of *Beowulf*.

Brother Azarias, *Development of Old English Thought*.

**61. Philosophy of Literature and of Style.**—An examination into the fundamental principles of literature and style.

Brother Azarias, *Philosophy of Literature*; Spencer, *Philosophy of Style*.

**62. Principles of Literary Criticism.**—Examination into the Spiritual in Literature.

Brother Azarias, *Phases of Thought and Criticism*; Gardiner, *The Bible in Literature*; Thomas a Kempis, *The Imitation*; Chateaubriand, *The Genius of Christianity*; Newman, *Essay on the Development of Christian Doctrine*; Gigot, *Introduction to Sacred Scriptures*.

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## FRENCH.

**63. Francois,** *Advanced French Prose Composition*.

Molière, *Le Misanthrope*.

Bowen, *French Lyrics*.

Hugo, *Hernani*.

Michelet, *Extraits de l'histoire de France*.

Corneille, *Polyeucte*.

**64. History of French Literature in the Seventeenth Century.**—A study of the political, social, and literary development of France during the Seventeenth Century.

Fortier, *Historie de la Littérature Française*.

Warren, *French Prose of the Seventeenth Century*.

Selected plays of Corneille, Racine, and Molière.

Boileau, *L'Art Poétique*.

**65. History of French Literature in the Eighteenth Century.**—Life and times of Voltaire.

Fortier, *Historie de la Littérature Française*.

Selections from authors studied.

International correspondence.

**66. History of French Literature in the Nineteenth Century.**—Special attention to the works of Hugo, de Lamartine, and Chateaubriand. Selections from de Musset, Dumas, Balzac, and de Maupassant.

Fortier, *Sept Grands Auteurs du Dix Neuvième Siècle*. International correspondence.

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## GEOLOGY.

**67. Descriptive and Determinative Mineralogy; Physical, Historical and Stratigraphical Geology.**

Lectures and laboratory work.

**68. Geology.**—Lectures and recitations: more advanced discussion of the subjects treated above.

Dana, *Text-book of Geology*.



## GERMAN.

69. Freytag, *Soll und Haben*; Schiller, *Maria Stuart*; Lessing, *Minna von Barnhelm*; Goethe, *Egmont* or *Iphigenie auf Tauris*.  
Prose Composition, Wesselhoeft.

70. Freytag, *Bilder aus der deutschen Vergangenheit*; Sybel, *Die Erhebung Europas*; Dippold, *Scientific German Reader*; Prehn, *Journalistic German*.

Prose Composition, Harris.

71. Schiller, *Wallenstein*; Lessing, *Nathan der Weise*; international correspondence.

72. **History of German Literature.**—Lectures, themes, readings.

International correspondence.

73. Goethe, life and works: *Faust*, *Hermann und Dorothea*, *Tasso*.

Selections from *Dichtung und Wahrheit*. International correspondence.

Advanced Prose Composition.

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## HISTORY.

74. **Ancient History.**—History of Greece, with special reference to its literature, politics, and commerce.

75. **Ancient History.**—Rome, from the Founding of the City to the fall of the Western Roman Empire, with special reference to literature, politics, and commerce.

76. **Medieval History.**—From the Fall of the Western to the Fall of the Eastern Roman Empire. The Holy Roman Empire and the Papacy receive special attention.



**77. The Renaissance and the Reformation.**—The principal subjects studied are the revival of learning, the age of discovery, the Reformation in England, France and Germany; the 'Thirty Years' War, and the Peace of Westphalia.

**78. English History.**—In this course special attention is given to the constitutional and social history of England.

**79. French History.**—From the establishment of the French monarchy to the French Revolution.

**80. The History of the Nineteenth Century, Beginning with the Year 1815.**—This course treats principally of the restoration of the Bourbons, the Revolutions of 1830 and 1848, the Austro-Prussian war, the Franco-Prussian war, the Unification of Germany and of Italy.

**81. American Political Institutions.**—Nature of state and national systems; organization and powers of legislative, executive and judicial departments of Federal Government.

**82. European Constitutions.**—Political institutions of England and Switzerland as compared with those of the United States.

**83. Constitutional History of the United States.**—Colonial Governments, the confederation, the federal constitution, national vs. state sovereignty.

**84. Constitutional History of the United States.**—War of 1812, federal judiciary, nullification act, state constitutions, the Civil War.

**85. The Philosophy of History,** based principally on the works of Balmes, Schlegel and Allies.

**86. Church History.**—From the Founding of the Church to the Protestant Reformation, based on the works of Allies, Montalembert, Mann, Janssen, and Pastor. Illustrated lectures including the history and geography of the Holy Land.

## ITALIAN.

**87. Elementary Course.**—Grammar. Conversation. Dictation.

Reading: Bowen's Reader; Cuore, *De Amicis*; Manzoni, *I Promessi Sposi*; Testa *L'Oro e l'Orpello*.

**88. Advanced Course.**—Dante's life and works. Critical study of the *Divina Commedia*.

References: Scartizzini, *Companion to Dante*; Brother Azarias, *Spiritual Idea in Dante's Divina Commedia*.

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## MATHEMATICS.

**89. Algebra.**—

Hawkes, *Advanced Algebra*.

**90. Trigonometry.**—

Wentworth, *Plane and Spherical Trigonometry*.

**91. Analytical Geometry.**—Including the general equation of the second degree.

Wentworth, *Analytical Geometry*.

**92. Analytical Geometry.**—The straight line, the plane and surfaces of revolution.

Wentworth, *Analytical Geometry*.

**93. Calculus.**—Differential and Integral, with applications to geometry, mechanics, engineering and physics.

Osborne, *Differential and Integral Calculus*.

Campbell, *A Short Course in Differential Equations*.

## MECHANICS.

**94. Mechanics.**—Principles of statics and dynamics; elements of hydrostatics.

Loney, *Mechanics and Hydrostatics*.

**95. Mechanics of Materials.**—Resistance and elasticity of materials, cantilever, simple and continuous beams, columns, torsion and shafts, stresses, resilience, tension and compression, flexure in beams, shear and torsion, true and apparent stresses, design and construction of beams in wood and steel, design of girders.

Merriman, *Mechanics of Materials*.

**96. Mechanics of Solids and Liquids.**—

*A knowledge of the calculus will be required for this course.* Statics of concurrent and parallel forces, theory of couples, friction, mass-moments. Theorems of Guldinus. Work and energy. Impulsive forces. Angular velocity and acceleration. Simple harmonic motion. Centroids of surfaces and solids. Moments of inertia with application to engineering problems. The conical and the ordinary pendulum. Pressure due to gravitating liquids, center of pressure, equilibrium of floating bodies. The barometer and its application to hypsometry.

Bowser, *Analytical Mechanics*.

Bowser, *Hydromechanics*.

**97. Thermodynamics.**—Heat, steam, fuel economy, engine construction, engine tests, boiler construction and tests.

Lectures supplemented by visits to plants and examinations of machines in operation.

Jamieson, *The Steam Engine*.

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## ORATORY.

**98. Elocution.**—Beginners' course in the principles of elocution, with weekly exercises.

**99. Elocution.**—Advanced courses in the principles of elocution, with weekly exercises.

**100. Forensics.**—Study and analysis of typical British and American argumentative orations.

**101. Debates.**—Theory of the preparation of debates. Oral discussion of questions of the day.

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## PEDAGOGY.

**102. Principles of Teaching.**—Importance of knowledge of physical, mental, and moral laws. Development of mental power. The teacher and his qualifications. School organization, hygiene, and discipline. Aids to teaching. Art of questioning and answering. Class examinations.

Butler, *The Meaning of Education*.

Dewey, *School and Society*.

Harris, *Psychologic Foundations of Education*.

Horne, *The Philosophy of Education*.

Shaw, *School Hygiene*.

**103. Theory and Practice of Teaching.**—Foundations of method and general principles. Analysis and synthesis. Individual vs. simultaneous method. Class exercises and drill on subjects taught in elementary and secondary schools.

Landon, *Principles and Practice of Teaching*.

Frère Achille, *Méthodologie and Vade Mecum*.

Brothers of the Christian Schools, *Practical Pedagogy*.

**104. History of Education.**—*Pre-Christian Era*: Chinese, Hindoos, Egyptians, Persians, Israelites, Greeks, and Romans. Notes on the educational leaders in each. Education during the Middle Ages: Monasticism, Scholasticism. The Crusades. Rise of Universities. Noted educators.

Brother Azarias, *Educational Essays*.

Drane, *Christian Schools and Scholars*.

**105. History of Education.**—Period of the Renaissance, its characteristics; humanistic educators. Special study of the following educators; Sturm, Loyola, Fénelon, De La Salle, Locke, Rousseau, Basedow, Pestalozzi, Froebel, Comenius, Jacotot, Spencer, Mann, Barnard, Parker. History of the school system of the State of New York.

Monroe, *Text-book in the History of Education*; Davidson, *A History of Education*; Painter, *A History of Education*.

**106. Special Method.**—

Elementary English.

Chubb, *The Teaching of English*.

Arnold, *Reading, How to Teach It*.

Hinsdale, *Teaching the Language Arts*.

Hall, *How to Teach Reading*.

Farnham, *The Sentence Method*.

Secondary English.—

Carpenter, Baker, and Scott, *The Teaching of English*.

Laurie, *Language and Linguistic Method*.

Bates, *Talks on the Study of Literature*.

Corson, *The Aims of Literary Study*.

Elementary History.—

McMurry, *Special Method in History*.

*Report of the Committee of Seven*.

*Report of the Committee of Ten*.

*Report of a Committee of the National Historical Association on the Teaching of History in Elementary Schools*.

Secondary History.—

Bourne, *The Teaching of History and Civics*.

Langlois and Seignobos, *Introduction to the Study of History*.

Lamprecht, *What is History?*

*Report of the Committee of Seven*.

Elementary Mathematics.—

Smith, *The Teaching of Elementary Mathematics*.

McLellon and Dewey, *The Psychology of Number*.

Fitch, *Lectures on Teaching*.



Secondary Mathematics:

Fink, *History of Mathematics*.

Young, *The Teaching of Mathematics in Prussia*.

De Morgan, *On the Study and Difficulties of Mathematics*.

Young, *The Teaching of Mathematics in Secondary Schools*.

Elementary Science:

Redway, *The New Basis of Geography*.

Geikie, *The Teaching of Geography*.

Bailey, *The Nature Study Idea*.

Hodge, *Nature Study and Life*.

Secondary Science:

Lloyd and Bigelow, *The Teaching of Biology*.

Smith and Hall, *The Teaching of Chemistry and Physics*.

Foreign Languages: French and German.

Widgery, *The Teaching of Languages in Schools*.

Bagster-Collins, *The Teaching of German in Secondary Schools*.

*Report of the Committee on Modern Languages*.

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PHILOSOPHY.

**107. Formal Logic.**—The idea. Errors as to the nature of ideas in modern English and German Philosophy. Definition. Division. The nature of judgment. The value of syllogism.

**108. Critical Logic.**—The possibility of certainty. Scepticism. Veracity of the senses and the intellect. Idealism vs. Realism. Universals. Authority and belief.

**109. Method.**—General principles. Special methods. Deduction and induction. Methods of observation. Methods of explanation.



**110. Metaphysics.**—The Aristotelian transcendentals. Reality of substances. Causation. Errors concerning causation. Final causes.

**111. Cosmic Philosophy.**—Nature, origin, and duration of the universe. Ultimate constituents of bodies. Theory of matter and form. Laws of nature. Possibility of miracles. The concepts of natural science and scholastic philosophy.

**112. Psychology.**—Rational vs. experimental psychology; value of each. Faculty, habit, and action. The life principle. Vegetative Life. Theory of sensation. Qualities of sensation. Intellection. Attention. Apperception. Association of ideas. Evolutionism. Heredity. Freedom of will. Spirituality and immortality of the soul. Psychology and the teacher.

**113. Epistemology.**—Critical examination of various theories of knowledge.

**114. Natural Theology.**—Proof of God's existence and providence—Deism, pantheism, agnosticism, atheism. Existence of evil. Preservation of creatures. Divine concurrence.

**115. General Ethics.**—Nature of a human act. Ultimate end of human actions. Determinants of morality. Does the end justify the means? Hindrances to the perfection of a human act. The passions, habit, virtue, vice.

**116. Special Ethics.**—Man's rights and duties as an individual. Man's duties to God. Adoration, love, obedience. Man's duties to his neighbor as regards soul and body. Man's duties to himself as to soul and body. Suicide and dueling.

Man's rights and duties as citizen. The state. Its constituent elements. Its origin, end, scope, and limits.

Common law of nations. Peaceful relations among nations.

Ecclesiastical society. The Church. Its origin and constitution. Its ends and limits. Its superiority to the state. Its mission to the modern world.

**117. Experimental Psychology.**—Elements and general methods. Elements of mental life; sensation, feeling, conation. Experiments on the outer senses and on the association of ideas with special application to Pedagogy.

**118. History of Philosophy.**—Principles of the great Founders of Ancient Schools, their vitality as illustrated in modern views. History of Medieval Philosophy. History of Modern Philosophy. The Neo-Scholastic Movement.

Turner, *History of Philosophy*.

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## PHYSICS.

**119. Light.**—Laws of propagation, velocity and intensity of light. Photometry. Reflection and refraction; formation of images by mirrors and lenses. Spectrum analysis and study of optical instruments.

Glazebrook, *Light*.

**Heat.**—Temperature and its measurement. Expansion of solids, liquids, and gases. Change of state. Conduction, convection, radiation and absorption of heat. Vapor tension. Latent heat and specific heat. Relation between heat and work; energy, actual and potential.

Glazebrook, *Heat*.

**Sound.**—Production and propagation, velocity, reflection, and refraction. Simple cases of resonance and interference. Intensity, pitch, and quality. Transverse vibrations of strings. Longitudinal vibration of columns of air and of rods; vibrations of plates and membranes. Determination of pitch and wave-length. Doppler's principle and applications.

120 (a). **Electricity and Magnetism.**— Fundamental phenomena of static electricity; general laws of distribution and induction. The Leyden jar and other condensers. Influence machines. Atmospheric electricity. Use of quadrant electrometer. Primary and secondary batteries; electromotive force, strength of current, division of current in a network of conductors. Ohm's law and applications. Magnetic, thermal and chemical effects of the current. Laws of electrolysis. Measurement of current and resistance. The electromagnet. Current induction, induction by magnets, the induction coil, discharge in low and high vacua. Continuous-current dynamo and motor; the alternator. The electric transmission of energy. Electric lighting. Thermo-electric currents. Telegraphy and telephony. Wireless telegraphy.

Permanent magnets and molecular theory; magnetic induction; the magnetic circuit. Comparison of magnetic fields. Theory and use of the magnetometer and dip-circle. Terrestrial magnetism and determination of the magnetic elements; magnetic charts.

*The calculus will be freely used throughout this course.*

Nichols and Franklin, *Electricity and Magnetism*.

120 (b). **Physical Laboratory.**— Study of the magnetic field due to a magnet and combination of magnets. Curve of free magnetism. Law of the inverse square. Comparison of magnetic moments. The ratio  $\frac{M}{H}$  also the product  $MH$ . Determination of magnetic dip. Laying out the meridian; magnetic declination. Measurement of electromotive force, resistance of conductors, and capacity of condensers. Battery resistance and current strength. Measurements relating to storage batteries. Use of the tangent galvanometer, ammeter and voltmeter for direct and alternating currents; the wattmeter and electrodynanometer; the copper voltameter. Quantitative estimate of heat development in a circuit.

Karapetoff, *Experimental Electrical Engineering*.

## RELIGION.

### CHRISTIAN DOCTRINE.

**121. Dogma.**—Explanation of the principal dogmas, with special insistence on the continuity of the Church. The Church and science. Objections.

Christian Brothers, *Manual of Christian Doctrine*.

**122. Moral.**—Explanation of the fundamental principles of Christian morality as contained in the decalogue.

Christian Brothers, *Manual of Christian Doctrine*.

**123. Worship.**—Grace, prayer and the sacraments, with special references to the Council of Trent and the tenets of Protestantism.

Christian Brothers, *Manual of Christian Doctrine*.

**124. Apologetics.**—Nature and necessity of Revelation. Its criteria. Modern objections.

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## SPANISH.

**125. Elementary Course.**—Grammar, reading, dictation, composition; De Tornos' Method; Ramsey's *Elementary Reader*; Alarcon, *El Capitan Veneo*; Galdós, *Doña Perfecta*, *Marianela*; Valera, *El Pájaro Verde*; Fernandez de Moratin, *El Si de las Niñas*.

**126. Intermediate Course.**—Grammar, reading, dictation, composition; Ford's *Spanish Composition*; Valdes, *José*; Cervantes, *Don Quijote*; Larra, *Partir á Tiempo*; Pereda, *Pedro Sanchez*; Valera, *Estudios Criticos*.

**127. Advanced Course.**—Composition, reading of classic dramas: Calderon, *El Principe Constante*; *La Vida es Sueño*; Lope de Vega, *La Estrella de Sevilla*. Study of Spanish Literature.

Reference: Fitz-James Kelly, *History of Spanish Literature*.

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| DILLON, CHAS. J., M.D. . . . .            | '98 | . NEW YORK CITY      |
| DOHERTY, THOMAS F. . . . .                | '88 | . TROY, N. Y.        |
| *DOLAN, REV. JOHN W., M.A. . . . .        | '78 | . JOHNSTOWN, N. Y.   |
| DOLLARD, JOHN E. . . . .                  | '01 | . TROY, N. Y.        |
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| DONAHUE, REV. JOHN F., M.A. . . .         | '78 | . ALBANY, N. Y.      |
| *DONAHUE, NATHANIEL M., M.A., M.D.        | '87 | . NEW YORK CITY      |
| DONAHUE, THOMAS I. . . . .                | '88 | . NEW YORK CITY      |
| *DONAHUE, REV. JAMES P., M.A. <i>c.h.</i> | '89 | . DOBBS FERRY, N. Y. |
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| DONAVAN, JOHN J. . . . .                  | '01 | . NEW YORK CITY      |
| DONAVAN, GILBERT C. . . . .               | '05 | . NEW YORK CITY      |
| DONOVAN, HENRY A. . . . .                 | '09 | . NEW YORK CITY      |
| DONOVAN, WM. F., A.M., M.D. . . .         | '87 | . NEW YORK CITY      |



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| DONNELLY, REV. PETER J. . . . .                  | '87 | . PALMERS FALLS, N. Y. |
| *DONNELLY, JAMES E. . . . .                      | '91 | . NEW YORK CITY        |
| DONNELLY, NICHOLAS A. . . . .                    | '93 | . NEW YORK CITY        |
| *DOOLEY, REV. JAMES A., M.A. . . .               | '85 | . NEW YORK CITY        |
| *DOOLEY, JAMES P., F.S.C., M.A. . .              | '93 | . WASHINGTON, D. C.    |
| DOOLEY, REV. MARTIN F. . . . .                   | '96 | . CENTERVILLE, S. D.   |
| DOOLEY, REV. WM. P. F. . . . .                   | '97 | . NEW YORK CITY        |
| DORAN, EDWARD J. . . . .                         | '86 | . PHILADELPHIA, PA.    |
| DORAN, REV. WM. A. . . . .                       | '91 | . NEWPORT, R. I.       |
| DORN, JACOB J., M.A. . . . .                     | '96 | . BROOKLYN, N. Y.      |
| *DOUGHERTY, REV. MAURICE J., M.A.                | '72 | . NEW YORK CITY        |
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| DOWNEY, THOMAS F. . . . .                        | '86 | . BROOKLYN, N. Y.      |
| DOYLE, REV. WALTER A. . . . .                    | '94 | . WHITESBORO, N. Y.    |
| DOYLE, JOHN . . . . .                            | '97 | . LYONS FALLS, N. Y.   |
| DOYLE, REV. THOMAS J. . . . .                    | '01 | . NEW YORK CITY        |
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| DOYLE, V. REV. A. P., C.S.P., LL.D., <i>c.h.</i> | '06 | . WASHINGTON, D. C.    |
| DRISCOLL, REV. JOHN T., M.A., S.T.L.             | '85 | . FONDA, N. Y.         |
| *DRISCOLL, REV. TIMOTHY L. . . .                 | '89 | . NEW YORK CITY        |
| *DROOGAN, CORNELIUS J., M.A. . . .               | '88 | . TANNERVILLE, N. Y.   |
| DRUM, THOMAS A. . . . .                          | '83 | . JERSEY CITY, N. J.   |
| DUANE, JOHN F., M.A. . . . .                     | '95 | . BROOKLYN, N. Y.      |
| *DUFFY, REV. JOHN F., M.A. . . . .               | '76 | . NEW YORK CITY        |
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| DUGGAN, REV. MATTHEW J. . . . .                  | '99 | . NEW YORK CITY        |
| *DUNN, JOHN L., M.A. . . . .                     | '78 | . TROY, N. Y.          |
| DUNN, EDWARD A. . . . .                          | '84 | . BROOKLYN N. Y.       |
| DUNN, REV. JOHN S., J.C.B., S.T.L. .             | '91 | . PROVIDENCE, R. I.    |
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| DWYER, REV. AMBROSE M. . . . .                   | '90 | . LESTERSHIRE, N. Y.   |
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| FAGAN, REV. FRANCIS M., M.A. . .           | '83 | NEW YORK CITY           |
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| *FERRY, CHAS. A. . . . .                   | '93 | NEW YORK CITY           |
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| *FINN, LAWRENCE B. . . . .                 | '76 | COHOES, N. Y.           |
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| FITZSIMMONS, WM. P., F.S.C., C.E. .        | '05 | NEW YORK CITY           |
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| FLANAGAN, JOHN H. . . . .                  | '92 | PROVIDENCE, R. I.       |
| FLANAGAN, WILLIAM F., M.A., M.D.           | '95 | PROVIDENCE, R. I.       |
| FLANIGAN, JAMES F., C.E. . . . .           | '06 | OSWEGO, N. Y.           |
| FLANNELLY, REV. J. F., M.A., <i>c.h.</i> . | '93 | NEW YORK CITY           |
| FLOOD, REV. THOMAS F. . . . .              | '87 | NEW YORK CITY           |
| *FLYNN, LUKE M., M.A. . . . .              | '79 | NEW YORK CITY           |
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| *FOY, REV. WM. J., M.A. . . . .                       | '70 | NEW YORK CITY         |
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| FRAWLEY, JAMES J., M.A., <i>c.h.</i> . . . .          | '03 | NEW YORK CITY         |
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| GALLAGHER, FRANCIS C. . . . .                         | '80 | BROOKLYN, N. Y.       |
| *GALLAGHER, EDWARD M. . . . .                         | '85 | OSSINING, N. Y.       |
| GALLAGHER, JAMES T., M.A., M.D. . . . .               | '89 | BROOKLYN, N. Y.       |
| GALLIGAN, REV. CHAS. J. . . . .                       | '84 | LYKENS, PA.           |
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| GANLEY, FRANCIS L. . . . .                            | '03 | FORT EDWARD, N. Y.    |
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| GARDINER, REV. WM. A. . . . .                         | '87 | BATH BEACH, N. Y.     |
| GARLAND, HENRY L., M.A. . . . .                       | '86 | NEW ORLEANS, LA.      |
| GARLAND, ROBERT E L. . . . .                          | '87 | OPELOUSAS, LA.        |
| GARNETT, THOMAS F. . . . .                            | '70 | WATERTOWN, N. Y.      |
| GEARON, WILLIAM A. . . . .                            | '01 | NEW YORK CITY         |
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| GIBLIN, JAMES M. . . . .                              | '89 | NEW YORK CITY         |
| GIEGERICH, LEONARD A., LL.D., <i>c.h.</i> . . . .     | '03 | NEW YORK CITY         |
| GILLIGAN, REV. JOHN E. . . . .                        | '94 | TROY, N. Y.           |
| GILMARTIN, REV. PATRICK J. . . . .                    | '00 | NEW YORK CITY         |
| GLEASON, EDWIN S. . . . .                             | '96 | NEW YORK CITY         |
| *GLEESON, WILLIAM E. R. . . . .                       | '81 | PITTSBURGH, PA.       |
| GLEESON, REV. MATTHEW C., M.A. . . . .                | '91 | BROOKLYN, N. Y.       |
| GLEESON, JAMES J., M.D. . . . .                       | '94 | NEW YORK CITY         |
| GLENNON, JOSEPH J. . . . .                            | '97 | NEW YORK CITY         |
| GLINNEN, WILLIAM J., M.D. . . . .                     | '94 | BROOKLYN, N. Y.       |
| *GLOVER, ROBERT O., M.A. . . . .                      | '66 | NEW YORK CITY         |
| GLOVER, FREDERICK R., M.A., M.D., <i>c.h.</i> . . . . | '85 | MOUNT VERNON, N. Y.   |
| GOGGIN, REV. JAMES E., M.A. . . . .                   | '86 | PAWLING, N. Y.        |
| GOLDEN, JAMES J. . . . .                              | '00 | NEW YORK CITY         |
| GOVERN, EDWARD J., C.E. . . . .                       | '93 | ROCHESTER, N. Y.      |
| GRACE, WILLIAM J. . . . .                             | '94 | SYRACUSE, N. Y.       |
| *GRADY, REV. JOHN M., M.A. . . . .                    | '69 | NEW YORK CITY         |
| *GRADY, JAMES J., M.A. . . . .                        | '73 | NEW YORK CITY         |
| GRADY, THOMAS F., M.A., <i>c.h.</i> . . . .           | '80 | NEW YORK CITY         |
| GRADY, WALTER L. . . . .                              | '10 | BROOKLYN, N. Y.       |
| *GRANT, HUGH J., M.A., <i>c.h.</i> . . . .            | '10 | NEW YORK.             |
| GRANT, WILLIAM E. . . . .                             | '98 | BROOKLYN, N. Y.       |

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| GREELY, MICHAEL N. . . . .                  | '88 | ST. LOUIS, MO.          |
| GREENE, REV. JOHN J., M.A. . . . .          | '79 | HARTLAND, ILL.          |
| GREENE, JAMES B., M.A. . . . .              | '89 | WASHINGTON, D. C.       |
| GRIFFIN, FRANK J., M.A. . . . .             | '91 | NEW YORK CITY           |
| *GRIFFITH, WILLIAM H. . . . .               | '80 | NEW YORK CITY           |
| *GROVE, JOHN H., M.D., LL.D., <i>c.h.</i>   | '81 | PHILADELPHIA, PA.       |
| GUINAN, REV. WILLIAM J., D.D. . . . .       | '82 | NEW YORK CITY           |
| GUTIERREZ, JOSÉ A. . . . .                  | '10 | SAN JOSÉ, COSTA RICA    |
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| HAGGERTY, WILLIAM F. . . . .                | '79 | NEW YORK CITY           |
| HAGGERTY, TIMOTHY J. . . . .                | '88 | BROOKLYN, N. Y.         |
| *HAGGERTY, JOHN J., F.S.C., M.S. . . . .    | '93 | NEW YORK CITY           |
| HAGGERTY, DANIEL C. . . . .                 | '04 | NEW YORK CITY           |
| *HAHN, GEORGE V., F.S.C. . . . .            | '93 | NEW YORK CITY           |
| HALL, REV. JAMES J., M.A. . . . .           | '78 | SOUTH ORANGE, N. J.     |
| *HALLORAN, REV. EDWARD J., <i>c.h.</i>      | '91 | NEW YORK CITY           |
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| HAMMER, GEORGE F., F.S.C. . . . .           | '95 | PROVIDENCE, R. I.       |
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| *HANNIGAN, REV. FRANCIS E., M.A.            | '79 | NEW YORK CITY           |
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| *HASSETT, EDWARD, M.A., <i>c.h.</i> . . . . | '93 | NEW YORK CITY           |
| HAVARD, LT. COL. VALERY, M.S., M.D.         | '68 | FAIRFIELD, CONN.        |
| *HAWKINS, WILLIAM J. . . . .                | '85 | RED BANK, N. J.         |
| HAYES, REV. JAMES W., M.A. . . . .          | '71 | NEW BRUNSWICK, N. J.    |
| HAYES, RT. REV. MGR. P. J., M.A. . . . .    | '88 | NEW YORK CITY           |
| HAYES, REV. ALBERT J. . . . .               | '88 | UTICA, N. Y.            |
| HAYES, DERMOT J., M.D. . . . .              | '91 | TORRINGTON, CONN.       |
| HEAFY, REV. THOS. J., M.A., S.T.B.          | '86 | CROTON-ON-HUDSON, N. Y. |
| HEALEY, JOHN E. . . . .                     | '01 | TROY, N. Y.             |
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| HENRICH, JOSEPH C. . . . .                  | '09 | NEW YORK CITY           |
| HENRY, REV. EDWARD B. . . . .               | '95 | NORTH WHITFIELD, ME.    |
| HENRY, REV. WALTER G. . . . .               | '98 | NEW YORK CITY           |
| *HEROLD, JOHN B., F.S.C., M.A. . . . .      | '76 | NEW YORK CITY           |
| HEROLD, JUSTIN B., M.A., M.D., <i>c.h.</i>  | '87 | NEW YORK CITY           |
| HICKEY, VALENTINE P. . . . .                | '95 | BROOKLYN, N. Y.         |
| *HIGGINS, REV. JOHN C., M.A. . . . .        | '79 | SYRACUSE, N. Y.         |
| *HIGGINS, REV. EDWARD J. . . . .            | '87 | ALBANY, N. Y.           |
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| HOCTOR, JAMES E. . . . .                    | '85 | NEW YORK CITY           |

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| HOLLAND, REV. JOSEPH F. . . . .                  | '00 | NEW YORK CITY       |
| HOLLAND, JOHN P., M.S., <i>c.h.</i> . . . .      | '05 | SOUTH ORANGE, N. J. |
| HOLMES, WILLIAM T. . . . .                       | '10 | BROOKLYN, N. Y.     |
| HOPKINS, OTIS A., M.A. . . . .                   | '75 | BINGHAMPTON, N. Y.  |
| HOPKINS, REV. JOSEPH A., M.A. . . . .            | '87 | OSWEGO, N. Y.       |
| *HORAN, REV. MICHAEL F. . . . .                  | '88 | NEW YORK CITY       |
| *HOWARD, REV. JOHN J. . . . .                    | '77 | HUDSON, N. Y.       |
| HOULIHAN, JOSEPH T. . . . .                      | '09 | NEW YORK CITY       |
| HUGHES, JAMES J. . . . .                         | '91 | NEW YORK CITY       |
| *HUGHES, WILLIAM C., M.A. . . . .                | '96 | BROOKLYN, N. Y.     |
| HUNT, JOSEPH L. . . . .                          | '98 | NEW YORK CITY       |
| *HURLEY, REV. JOHN A., M.A. . . . .              | '71 | FISHKILL, N. Y.     |
| HURLEY, DANIEL J. . . . .                        | '83 | BROOKLYN, N. Y.     |
| HYNES, JOSEPH E. . . . .                         | '05 | TROY, N. Y.         |
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| *IRVING, REV. THOMAS H. . . . .                  | '80 | OSSINING, N. Y.     |
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| JACKSON, JOSEPH R. . . . .                       | '00 | BUTTE, MONTANA      |
| JOHNSTON, REV. WILLIAM J. . . . .                | '93 | NEW YORK CITY       |
| JORDAN, REV. JOHN T., M.A. . . . .               | '98 | NEW YORK CITY       |
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| KANE, JAMES J., M.A. . . . .                     | '01 | BROOKLYN, N. Y.     |
| *KAVANAGH, DANIEL A. . . . .                     | '81 | CINCINNATI, OHIO    |
| KEAN, REV. JOHN J., M.A., LL.D. . . . .          | '66 | NEW YORK CITY       |
| KEAN, JOHN J., M.A. . . . .                      | '02 | BROOKLYN, N. Y.     |
| KEARNEY, ALFRED A. . . . .                       | '79 | NEW YORK CITY       |
| KEARNEY, CHARLES R. . . . .                      | '82 | NEW YORK CITY       |
| KEARNEY, JOHN J. . . . .                         | '92 | NEW YORK CITY       |
| KEARNS, THOMAS J. . . . .                        | '02 | NEW YORK CITY       |
| KEEFE, JOHN W., M.D., LL.D., <i>c.h.</i> . . . . | '09 | PROVIDENCE, R. I.   |
| KEEFE, REV. RICHARD J., M.A. . . . .             | '76 | WHITE PLAINS, N. Y. |
| KEENAN, REV. THOMAS J., M.A. . . . .             | '85 | TUXEDO, N. Y.       |
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| *KEENAN, HENRY C., M.A., M.D. . . . .            | '92 | BROOKLYN, N. Y.     |
| KEENAN, ALBERT J., M.D. . . . .                  | '97 | BROOKLYN, N. Y.     |
| KELIHER, REV. MICHAEL F. . . . .                 | '87 | NEW YORK CITY       |
| *KELLY, THEODORE S. . . . .                      | '71 | BROOKLYN, N. Y.     |
| *KELLY, REV. CORNELIUS S. . . . .                | '84 | RUMFORD, R. I.      |
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| KELLY, REV. JOHN T. . . . .                    | '96 | NEW YORK CITY           |
| KELLY, THOMAS P., F.S.C., C.E. . . . .         | '99 | OAKLAND, CAL.           |
| KELLY, REV. THOMAS A. . . . .                  | '90 | FALL RIVER, MASS.       |
| *KENNAH, JAMES B. . . . .                      | '85 | ALBANY, N. Y.           |
| *KENNEDY, JOHN J. . . . .                      | '80 | NEW YORK CITY           |
| KENNEDY, LEO E. . . . .                        | '95 | BROOKLYN, N. Y.         |
| *KENNY, REV. JOHN H., M.A. . . . .             | '83 | NEW YORK CITY           |
| KENNEY, REV. JOHN L. . . . .                   | '99 | NEW YORK CITY           |
| KEOGH, MARTIN J., LL.D. <i>c.h.</i> . . . .    | '03 | NEW ROCHELLE, N. Y.     |
| KERENS, RICHARD, JR., M.A. . . . .             | '95 | ST. LOUIS, MO.          |
| KERWIN, REV. WILLIAM T. . . . .                | '93 | BROOKLYN, N. Y.         |
| KIFFIN, JOHN E., M.A. . . . .                  | '99 | LONG ISLAND CITY, N. Y. |
| KILDUFF, REV. JOHN J. . . . .                  | '01 | ALBANY, N. Y.           |
| KING, THOMAS J. . . . .                        | '99 | PROVIDENCE, R. I.       |
| KINNEY, PATRICK R., M.A. . . . .               | '02 | NEW YORK CITY           |
| *KIRBY, REV. WILLIAM S. . . . .                | '85 | SOUTHAMPTON, N. Y.      |
| KIRBY, REV. JAMES P. . . . .                   | '00 | SHELBURNE FALLS, MASS.  |
| *KOINE, CHARLES M. . . . .                     | '85 | BUFFALO, N. Y.          |
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| KUERZI, FRANCIS J. . . . .                     | '96 | NEW YORK CITY           |
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| LADEN, JAMES E. . . . .                        | '04 | NEW YORK CITY           |
| LALLY, MICHAEL J. . . . .                      | '90 | NEW YORK CITY           |
| *LALOR, JOHN J., M.A., <i>c.h.</i> . . . .     | '69 | MILWAUKEE, WIS.         |
| LANDY, JAMES T., C.E. . . . .                  | '05 | NEW YORK CITY           |
| LANE, THOMAS R., M.A. . . . .                  | '73 | NEW YORK CITY           |
| *LANE, WILLIAM E. . . . .                      | '77 | HUDSON, N. Y.           |
| LANE, REV. FLORENCE A., S.T.L. . . . .         | '94 | PALMER, MASS.           |
| *LARKIN, WILLIAM R., M.A., M.D. . . . .        | '79 | NEW YORK CITY           |
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| *LARKIN, JAMES P. . . . .                      | '94 | UTICA, N. Y.            |
| *LARKIN, JOHN T. . . . .                       | '99 | NEW YORK CITY           |
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| LASTRAPES, BRONIER H. . . . .                  | '86 | NEW ORLEANS, LA.        |
| LASTRAPES, WILLIAM R., M.A., M.D. . . . .      | '87 | OPELOUSA, LA.           |
| LAUTERBACH, EDWARD, LL.D., <i>c.h.</i> . . . . | '05 | NEW YORK CITY           |
| LAVELLE, R.R.MGR. M. J., M.A., LL.D. . . . .   | '73 | NEW YORK CITY           |
| LAVELLE, REV. FRANCIS E., J.U.L. . . . .       | '90 | AMENIA, N. Y.           |
| LAVIN, DESIDERIO, M.S. . . . .                 | '01 | NEW YORK CITY           |
| *LEDDIN, MICHAEL J. . . . .                    | '82 | MONTGOMERY, N. Y.       |
| LENES, REV. FRANCIS C., LL.D. . . . .          | '80 | MONTGOMERY, N. Y.       |
| LENNON, REV. JOHN J., M.A. . . . .             | '86 | NEW YORK CITY           |



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| LICARI, LAWRENCE H. . . . .                | '06 | BROOKLYN, N. Y.       |
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| LOUGHLIN, JOHN S. . . . .                  | '07 | NEW YORK CITY         |
| LOUGHRAN, WILLIAM H., M.A. . . .           | '82 | NEW YORK CITY         |
| LOUGHRAN, REV. THOMAS J., M.A. . .         | '83 | WOONSOCKET, R. I.     |
| LOUGHRAN, THOMAS V. . . . .                | '95 | PHILADELPHIA, PA.     |
| LOWNEY, REV. DENIS M., M.A., S.T.B.        | '84 | PAWTUCKET, R. I.      |
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| LYNCH, JAMES C. . . . .                    | '94 | OGDENSBURG, N. Y.     |
| LYNCH, HENRY J. . . . .                    | '00 | NEW YORK CITY         |
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| LYNCH, JOSEPH D. . . . .                   | '05 | NEW YORK CITY         |
| LYONS, FRANCIS J. . . . .                  | '83 | BROOKLYN, N. Y.       |
| *LYONS, MICHAEL J. . . . .                 | '00 | FALL RIVER, MASS.     |
| LYONS, REV. JUSTIN J. . . . .              | '00 | NEW YORK CITY         |
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| McAVOY, THOMAS F. . . . .                  | '96 | NEW YORK CITY         |
| McAVOY, JOHN V. . . . .                    | '97 | NEW YORK CITY         |
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| McCABE, JAMES J. . . . .                   | '82 | GREENBRIDGE, N. Y.    |
| McCABE, EDWARD M., M.A., M.D. . .          | '84 | NEW HAVEN, CONN.      |
| McCABE, REV. MICHAEL J. . . . .            | '89 | EDGEWOOD, R. I.       |
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| *McCARTHY, REV. FRANCIS P. . . . .         | '83 | LEWISTON, PA.         |
| McCARTHY, REV. DANIEL J. . . . .           | '90 | SHEEPSHEAD BAY, N. Y. |
| McCARTHY, TIMOTHY A. . . . .               | '95 | NEW YORK CITY         |
| McCARTHY, THOMAS D. . . . .                | '04 | NEW YORK CITY         |
| McCLANCY, VERY REV. J.P., M.A., LL.D.      | '66 | MIDDLETOWN, N. Y.     |
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| McCOOBERRY, JOSEPH F., M.A. . . .          | '80 | JERSEY CITY, N. J.    |
| McCORRY, REV. P. J., C.S.P., M.A. .        | '94 | CHICAGO, ILL.         |



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| McDONNELL, JAMES S. . . . .                 | '96 | BUFFALO, N. Y.         |
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| McGOLDRICK, PETER J. . . . .                | '98 | BROOKLYN, N. Y.        |
| McGOLDRICK, LAWRENCE J. . . . .             | '03 | BROOKLYN, N. Y.        |
| McGOLRICK, VERY REV.MGR.E.J.,M.A. .         | '77 | BROOKLYN, N. Y.        |
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| McGOVERN, REV. PETER P. . . . .             | '90 | VALLEY STREAM, N. Y.   |
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| *McGOWAN, MICHAEL M., M.A. . . .            | '69 | NEW YORK CITY          |
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| McGRATH, REV. JOSEPH A. . . . .             | '99 | TRENTON, N. J.         |
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| *McGUINNESS, MICHAEL C., M.A. . . .         | '76 | SYRACUSE, N. Y.        |
| McKENNA, EDWARD F. . . . .                  | '83 | ALBANY, N. Y.          |
| McKENNA, JOHN B., M.A., M.D. . . .          | '84 | EAST PROVIDENCE, R. I. |
| McKENNA, CHARLES J. . . . .                 | '08 | BROOKLYN, N. Y.        |
| McKENNA, WILLIAM J. . . . .                 | '85 | FAR ROCKAWAY, N. Y.    |
| McKENNA, REV. JOSEPH D. . . . .             | '98 | FLUSHING, N. Y.        |
| *McKEON, JOSEPH I., M.A. . . . .            | '82 | NEW YORK CITY          |
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| McLAUGHLIN, HUGH . . . . .                  | '75 | WESTCHESTER, N. Y.     |
| McLAUGHLIN, REV. PATRICK D. . . .           | '94 | NEWBURGH, N. Y.        |
| McLAUGHLIN, REV. THOS. J. . . . .           | '00 | NEW YORK CITY          |
| McLAUGHLIN, CHAS. B., M.A. . . . .          | '04 | NEW YORK CITY          |
| *McLEAN, HENRY C., M.A., M.D. . . .         | '69 | BROOKLYN, N. Y.        |
| McMAHON, DANIEL F. . . . .                  | '09 | NEW YORK CITY          |
| *McMAHON, DENIS, M.A., <i>c.h.</i> . . .    | '67 | NEW YORK CITY          |
| McMAHON,RT.REV.MGR.D.J.,A.M.,LL.D.          | '76 | NEW YORK CITY          |
| McMAHON, JOHN B., M.A., Ph.D., M.D.         | '73 | NEW YORK CITY          |
| McMAHON, REV. JOS. H., M.A., Ph.D.          | '80 | NEW YORK CITY          |
| *McMANIS, FRANCIS J. . . . .                | '81 | ROCHESTER, N. Y.       |
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| McMULLIN, REV. CHARLES . . . .                       | '75 | . NEW YORK CITY         |
| McMULLEN, JOHN R. . . . .                            | '86 | . NEW YORK CITY         |
| McMURRAY, REV. FRANCIS J., M.A. '92                  |     | . ROCKAWAY PARK, N. Y.  |
| McNALLY, SIMON T., C.E. . . . .                      | '97 | . NEW YORK CITY         |
| McNAMARA, CHARLES A., M.D. . . .                     | '95 | . NEW YORK CITY         |
| McNAMARA, EDWARD J., M.A. . . .                      | '04 | . BROOKLYN, N. Y.       |
| McNAMARA, REV. JAMES F. . . . .                      | '89 | . BRYN MAWR PARK, N. Y. |
| McNAMARA, REV. JAMES J. . . . .                      | '93 | . NEW YORK CITY         |
| McNAMARA, SYLVESTER J., M.A. M.D. '89                |     | . BROOKLYN, N. Y.       |
| McNAMARA, SYLVESTER J., M.A. . .                     | '02 | . BROOKLYN, N. Y.       |
| McNAMARA, THOMAS F. . . . .                          | '05 | . HARRISON, N. Y.       |
| McNEELY, JAMES A. . . . .                            | '90 | . BROOKLYN, N. Y.       |
| *MACOSCAR, THOMAS, M.A., M.D., <i>c.h.</i> '68       |     | .                       |
| McPARLAN, THOMAS F., M.A., M.D. '88                  |     | . NEW YORK CITY         |
| McPARLAN, EDWARD C. . . . .                          | '93 | . NEW YORK CITY         |
| McPEAK, JAMES F., C.E. . . . .                       | '94 | . NEW YORK CITY         |
| McPHILLIPS, MATTHEW F. . . . .                       | '04 | . NEW YORK CITY         |
| McQUADE, JOHN J. . . . .                             | '98 | . NEW YORK CITY         |
| McSHANE, EDWARD A. . . . .                           | '03 | . NEW YORK CITY         |
| *McSORLEY, PETER A. . . . .                          | '70 | . BROOKLYN, N. Y.       |
| McSORLEY, PATRICK F. . . . .                         | '00 | . NEW YORK CITY         |
| *MACDONA, HENRY D., M.A. <i>c.h.</i> . .             | '79 | . NEW YORK CITY         |
| MACK, SAMUEL J. . . . .                              | '84 | . NEW YORK CITY         |
| MADDEN, HENRY A. . . . .                             | '89 | . NEW YORK CITY         |
| MADDEN, FRANCIS M. . . . .                           | '90 | . NEW YORK CITY         |
| MADDEN, REV. THOMAS N. . . . .                       | '93 | . NEW YORK CITY         |
| MAGEE, JAMES P. . . . .                              | '02 | . NEW YORK CITY         |
| *MAGINN, FRANCIS E. . . . .                          | '88 | . NEW YORK CITY         |
| MAGRATH, REV. PHILIP J. . . . .                      | '00 | . NEW YORK CITY         |
| MAGUIRE, RT. RV. F. J., M.A., LL.D., <i>c.h.</i> '79 |     | . ALBANY, N. Y.         |
| MAHER, AUGUSTINE F. . . . .                          | '90 | . NEW HAVEN, CONN.      |
| MAHER, JOHN F. . . . .                               | '96 | . SYRACUSE, N. Y.       |
| MAHER, STEPHEN J., M.A., M.D., <i>c.h.</i> '92       |     | . NEW HAVEN, CONN.      |
| MAHON, REV. JOHN J. . . . .                          | '94 | . LAURENCE, L. I.       |
| MAHONEY, REV. PATRICK J., S.T.M. '84                 |     | . NEW YORK CITY         |
| MAHONEY, REV. DANIEL P., M.A. . .                    | '88 | . JOHNSONVILLE, N. Y.   |
| MAHONEY, DANIEL F. . . . .                           | '05 | . NEW YORK CITY         |
| MALANEY, THOMAS P. . . . .                           | '72 | . NEW YORK CITY         |
| *MANLEY, THOMAS H., M.A., M.D., <i>c.h.</i> '89      |     | . NEW YORK CITY         |
| MANNING, JOHN T. . . . .                             | '93 | . NEW YORK CITY         |
| MANNING, HENRY E. . . . .                            | '94 | . WORCHESTER, MASS.     |

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| *MARA, REV. MICHAEL J. . . . .               | '91 | . UTICA, N. Y.            |
| MARREN, JAMES P. . . . .                     | '87 | . NEW YORK CITY           |
| MARSHALL, REV. GEORGE F. . . . .             | '85 | . MILFORD, N. H.          |
| MARTIN, EDWARD A., M.A. . . . .              | '90 | . NORTH TARRYTOWN, N. Y.  |
| MARTIN, GEORGE J. . . . .                    | '09 | . EL RITO, NEW MEX.       |
| MEAHER, DENIS A., M.A. . . . .               | '67 | . PORTLAND, ME.           |
| MEEGAN, REV. EDWARD J., S.T.B. . . . .       | '92 | . PHILMONT, N. Y.         |
| MEEHAN, REV. WM. F., M.A. . . . .            | '88 | . RYE, N. Y.              |
| *MERRIGAN, BRENDAN V. . . . .                | '92 | . KINGSBRIDGE, N. Y.      |
| MERTENS, JOSEPH C., F.S.C., M.S. . . . .     | '93 | . TROY, N. Y.             |
| MICHEL, WALTER L. . . . .                    | '09 | . NEW YORK CITY           |
| *MILAY, MICHAEL J. . . . .                   | '97 | . IRVINGTON, N. Y.        |
| MILLER, REV. HENRY A. . . . .                | '05 | . AVERILL PARK, N. Y.     |
| MILLER, WILLIAM J. . . . .                   | '09 | . NEW YORK CITY           |
| *MITCHELL, REV. JAS. H., M.A., LL.D. . . . . | '74 | . BROOKLYN, N. Y.         |
| MITCHELL, ARTHUR J., M.D. . . . .            | '92 | . NEW YORK CITY           |
| MITTY, REV. JOHN J., S.T.D. . . . .          | '01 | . DUNWOODIE, N. Y.        |
| MIVILLE, CHARLES B. . . . .                  | '04 | . NEW YORK CITY           |
| MOLONY, FRANCIS T. . . . .                   | '05 | . NEW YORK CITY           |
| MONAHAN, DAVID H., M.A. . . . .              | '83 | . BRIDGEPORT, CONN.       |
| MONTAGUE, WM. A., M.A. . . . .               | '95 | . NEW YORK CITY           |
| MOONEY, DANIEL J. . . . .                    | '03 | . NEW YORK CITY           |
| MOONEY, REV. MICHAEL F. . . . .              | '87 | . GALWAY, N. Y.           |
| MOORE, REV. FRANCIS P., LL.D. . . . .        | '80 | . WAKEFIELD, N. Y.        |
| MOORE, SAMUEL B., M.A., M.D. . . . .         | '97 | . NEW YORK CITY           |
| MORRIS, REV. JOHN J., M.A. . . . .           | '83 | . PORT JERVIS, N. Y.      |
| MORRIS, EDWARD J., M.D. . . . .              | '89 | . BROOKLYN, N. Y.         |
| MORRIS, JOHN T., Ph.D., <i>c.h.</i> . . . .  | '91 | . BALTIMORE, MD.          |
| MORRISON, RICHARD J., M.A. . . . .           | '69 | . NEW YORK CITY           |
| MULCAHY, CORNELIUS J. . . . .                | '98 | . NEW YORK CITY           |
| MULLANY, REV. JOHN F., M.A. . . . .          | '76 | . SYRACUSE, N. Y.         |
| MULLINS, DENIS P. . . . .                    | '89 | . NEW YORK CITY           |
| MULROONEY, WALTER S. . . . .                 | '09 | . NEW YORK CITY           |
| MULVEY, JOHN M. . . . .                      | '09 | . NEW YORK CITY           |
| MUNDELEIN, RIGHT REV. GEO. W. . . . .        | '89 | . BROOKLYN, N. Y.         |
| MURPHY, REV. EDMUND J. . . . .               | '95 | . GREAT BARRINGTON, MASS. |
| *MURPHY, FELIX T., M.A. . . . .              | '74 | . NEW YORK CITY           |
| MURPHY, JAMES E., M.A. . . . .               | '03 | . DOVER, N. H.            |
| MURPHY, JOHN A., M.D. . . . .                | '94 | . NEW HAVEN, CONN.        |
| MURPHY, JOHN J., C.E. . . . .                | '02 | . YONKERS, N. Y.          |
| MURPHY, JOSEPH P., M.D. . . . .              | '91 | . BROOKLYN, N. Y.         |
| *MURPHY, REV. MICHAEL J., M.A. . . . .       | '66 | . ROCKAWAY, N. Y.         |
| MURPHY, REV. RICHARD D. . . . .              | '98 | . WHITTINSVILLE, MASS.    |
| MURPHY, WALTER T. . . . .                    | '09 | . NEW YORK CITY           |

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| MURRAY, REV. LAWRENCE E., M.A. '83 . . . . .                | '83 | . LAKE MAHOPAC, N. Y.    |
| MURRAY, HUGH A. . . . .                                     | '87 | . NEW YORK CITY          |
| MURRAY, PATRICK J., M.D. . . . .                            | '92 | . BROOKLYN, N. Y.        |
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| MURRAY, RICHARD B. . . . .                                  | '04 | . KENSINGTON, N. Y.      |
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| NEVILLE, REV. ERNEST P. . . . .                             | '03 | . ALBANY, N. Y.          |
| NEVIN, JOHN J., M.A., M.D. . . . .                          | '82 | . JERSEY CITY, N. J.     |
| NEUMAN, GEORGE B. . . . .                                   | '98 | . NEW YORK CITY          |
| *NICHOLSON, JAMES F., M.A. . . . .                          | '77 | . TROY, N. Y.            |
| *NOLAN, JAMES M. . . . .                                    | '92 | . PATERSON, N. J.        |
| NOLAN, ROBERT C. . . . .                                    | '02 | . NEW YORK CITY          |
| *NOONAN, REV. JOHN A. . . . .                               | '71 | . NEW YORK CITY          |
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| NUGENT, JOSEPH A. . . . .                                   | '84 | . BENSONHURST, N. Y.     |
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| OAKLEY, MARTIN A. . . . .                                   | '02 | . NEW YORK CITY          |
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| O'BRIEN, EDMOND A., M.A. . . . .                            | '79 | . TROY, N. Y.            |
| O'BRIEN, JAMES W., LL.D., <i>c.h.</i> . . . .               | '92 | . NEW YORK CITY          |
| O'BRIEN, JOHN E. . . . .                                    | '95 | . NEW YORK CITY          |
| O'BRIEN, JOHN F. . . . .                                    | '07 | . TROY, N. Y.            |
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| O'BRIEN, REV. THOMAS J., M.A. . . . .                       | '88 | . WHITESTONE, N. Y.      |
| O'CALLAGHAN, EDWARD A. . . . .                              | '95 | . PRINCE EDWARD ISLAND   |
| O'CONNELL, PATRICK F. . . . .                               | '84 | . NEW YORK CITY          |
| O'CONNELL, RT. REV. D. J., LL.D., <i>c.h.</i> '04 . . . . . | '04 | . SAN FRANCISCO, CAL.    |
| O'CONNELL, TIMOTHY I. . . . .                               | '06 | . NEW YORK CITY          |
| O'CONNOR, RIGHT REV. JAS. P. . . . .                        | '79 | . ALBANY, N. Y.          |
| *O'CONNOR, REV. EDW. F., M.A., <i>c.h.</i> '81 . . . . .    | '81 | . CLAYVILLE, N. Y.       |
| O'CONNOR, CHARLES V., F.S.C., M.A. '81 . . . . .            | '81 | . POCANTICO HILLS, N. Y. |
| O'CONNOR, THOMAS C. . . . .                                 | '85 | . BUFFALO, N. Y.         |
| O'CONNOR, JAMES P. . . . .                                  | '94 | . NEW YORK CITY          |
| O'CONNOR, CHARLES G., M.D. . . . .                          | '95 | . BROOKLYN, N. Y.        |
| *O'CONNOR, ALOYSIUS G. . . . .                              | '99 | . NEW YORK CITY          |
| *O'CONNOR, GILBERT A. . . . .                               | '03 | . NEW YORK CITY          |
| O'DONNELL, JOHN A., C.E. . . . .                            | '07 | . NEW YORK CITY          |
| O'DWYER, VICTOR P., C.E. . . . .                            | '05 | . NEW YORK CITY          |

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| O'GORMAN, REV. DENIS F. . . . .                       | '90   | . GETHSEMANE, KY.        |
| O'GRADY, JOHN J. . . . .                              | '84   | . ATHENS, N. Y.          |
| O'HAGEN, ROMUALD R. . . . .                           | '05   | . ASTORIA, L. I.         |
| O'HALLORAN, JOHN T. . . . .                           | '09   | . ROSEVILLE, N. J.       |
| O'HARE, FRANCIS A., C.E. . . . .                      | '07   | . NEW YORK CITY          |
| O'KEEFE, GEORGE J., M.A. . . . .                      | '92   | . <b>BROOKLYN, N. Y.</b> |
| O'KEEFE, WILLIAM J. . . . .                           | '96   | . PLAINFIELD, N. J.      |
| O'LEARY, ARTHUR J., M.A., M.D. . . . .                | '87   | . NEW YORK CITY          |
| O'LEARY, ARTHUR T., M.S. . . . .                      | '04   | . NEW YORK CITY          |
| *O'LEARY, CORNELIUS, M.A., M.D., <i>c.h.</i> . . . .  | '66   | . NEW YORK CITY          |
| O'LEARY, CHARLES J., M.A. . . . .                     | '89   | . NEW YORK CITY          |
| O'LEARY, DANIEL I. . . . .                            | '07   | . NEW YORK CITY          |
| *O'LEARY, THOMAS J., M.A. . . . .                     | '84   | . NEW YORK CITY          |
| O'MARA, THOMAS J., M.A., M.D. . . . .                 | '92   | . NEW YORK CITY          |
| O'MEARA, REV. PATRICK J., M.A. . . . .                | '76   | . PIERMONT, N. Y.        |
| *O'NEILL, REV. WILLIAM A. . . . .                     | . . . | . NEW YORK CITY          |
| O'NEIL, D. EDWIN, M.A., M.D. . . . .                  | '68   | . NEW YORK CITY          |
| O'NEIL, REV. DANIEL A. . . . .                        | '92   | . TROY, N. H.            |
| O'NEILL, FRANCIS J., M.A. . . . .                     | '75   | . AURORA, ILL.           |
| O'NEILL, REV. DENIS P., M.A. . . . .                  | '78   | . NEW YORK CITY          |
| *O'NEILL, REV. FRANCIS X. . . . .                     | '94   | . MANCHESTER, N. H.      |
| O'REILLY, GEORGE M. . . . .                           | '98   | . NEW YORK CITY          |
| O'REILLY, REV. JAMES J. . . . .                       | '00   | . PAWTUCKET, R. I.       |
| O'REILLY, REV. THOMAS J., M.A. . . . .                | '77   | . COLUMBUS, OHIO         |
| O'RORKE, JOHN J., M.D. . . . .                        | '75   | . NEW YORK CITY          |
| O'ROURKE, ANDREW A. . . . .                           | '84   | . NEW YORK CITY          |
| O'ROURKE, JOHN A., M.A. . . . .                       | '88   | . NEW YORK CITY          |
| O'RYAN, WILLIAM P., M.A. . . . .                      | '99   | . BROOKLYN, N. Y.        |
| *O'SHAUGHNESSY, REV. JOHN E. . . . .                  | '83   | . NEW YORK CITY          |
| O'SHEA, WILLIAM J., M.S. <i>c.h.</i> . . . .          | '89   | . NEW YORK CITY          |
| *O'SULLIVAN, PATRICK S., C.E. . . . .                 | '02   | . NEW BRITAIN, CONN.     |
|                                                       |       |                          |
| PAINE, WILLIS S., LL.D., <i>c.h.</i> . . . .          | '85   | . NEW YORK CITY          |
| PECH, JAMES, Ph.D., Mus.Doc.Oxon, <i>c.h.</i> . . . . | '92   | . NEW YORK CITY          |
| *PELTIER, PAUL A., M.A. . . . .                       | '67   | . ST. LOUIS, MO.         |
| PENNEFATHER, J. RAYMOND, M.S. . . . .                 | '04   | . NEW YORK CITY          |
| PENNY, REV. WILLIAM L., LL.D., <i>c.h.</i> . . . .    | '00   | . NEW YORK CITY          |
| PETRIE, ALBERT W. . . . .                             | '90   | . NEW YORK CITY          |
| PFOHL, EDWARD M., M.A., M.D. . . . .                  | '85   | . BUFFALO, N. Y.         |
| PHELAN, THOMAS F. . . . .                             | '88   | . TROY, N. Y.            |
| PHELAN, REV. THOMAS P., M.A. . . . .                  | '91   | . NEW YORK CITY          |
| PHELAN, JOHN J. . . . .                               | '95   | . NEW YORK CITY          |
| PHELAN, JAMES T., C.E. . . . .                        | '97   | . NEW YORK CITY          |
| PODVIN, EDWARD C., M.A., M.D. . . . .                 | '95   | . NEW YORK CITY          |



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|-------------------------------------------------|-----|------------------------|
| POMMERER, ROBERT W., C.E. . . .                 | '01 | . NEW YORK CITY        |
| POMMERER, WILLIAM C., M.A. <i>c.h.</i> . . .    | '91 | . NEW YORK CITY        |
| PRENDERGAST, REV. E. R., M.A. . . .             | '79 | . NORWICH, N. Y.       |
| *PRIAL, JOHN J. . . . .                         | '90 | . NEW YORK CITY        |
| PURCELL, REV. WALTER A., M.A. . . .             | '78 | . SUMMIT, N. J.        |
| *PYNE, PATRICK H., M.A., M.D. <i>c.h.</i> . . . | '86 | . YONKERS, N. Y.       |
|                                                 |     |                        |
| *QUIGLEY, JOHN J., M.A., M.D. . . .             | '81 | . NEW YORK CITY        |
| *QUINN, PIERCE J., M.A. . . . .                 | '79 | . NEW YORK CITY        |
| QUINN, DENIS J., M.A. . . . .                   | '86 | . NEW YORK CITY        |
| *QUINN, REV. WILLIAM A., M.A. . . .             | '87 | . NEW YORK CITY        |
| QUINN, PETER J. . . . .                         | '87 | . PAWTUCKET, R. I.     |
| QUINN, REV. DANIEL A. . . . .                   | '91 | . NEW YORK CITY        |
| QUINN, WILLIAM V., M.D. . . . .                 | '97 | . UTICA, N. Y.         |
| QUINN, REV. DAVID I. . . . .                    | '99 | . PROVIDENCE, R. I.    |
|                                                 |     |                        |
| RADFORD, HENRY V., M.S., C.E. . . .             | '01 | . NEW YORK CITY        |
| RAFFERTY, PETER P., M.D. . . . .                | '94 | . RED BANK, N. J.      |
| REGAN, PETER A. . . . .                         | '05 | . YONKERS, N. Y.       |
| *REILLY, CHARLES B. . . . .                     | '89 | . PROVIDENCE, R. I.    |
| REILLY, JOHN, M.A. <i>c.h.</i> . . . .          | '93 | . NEW YORK CITY        |
| RENAHAN, EDWARD J. . . . .                      | '86 | . YONKERS, N. Y.       |
| RENGEL, REV. EDWARD J., S.T.B. . . .            | '88 | . ELLICOTTVILLE, N. Y. |
| RICHARDSON, HOWARD W. . . . .                   | '06 | . SHROON LAKE, N. Y.   |
| *RIGNEY, REV. JAMES C., M.A. . . .              | '76 | . NEW YORK CITY        |
| RIORDAN, DANIEL J. . . . .                      | '90 | . NEW YORK CITY        |
| RIORDAN, JAMES J. . . . .                       | '02 | . NEW YORK CITY        |
| *ROBINSON, CHARLES T., M.D. . . .               | '92 | . NEW YORK CITY        |
| ROCHE, REV. ANDREW T. . . . .                   | '93 | . NEW YORK CITY        |
| ROCHE, DAVID P. . . . .                         | '98 | . NEW YORK CITY        |
| ROCHE, EDWARD F., M.A. . . . .                  | '01 | . NEW YORK CITY        |
| *ROCHE, NICHOLAS J. . . . .                     | '84 | . NEW YORK CITY        |
| ROCHE, WM. J., M.A., <i>c.h.</i> . . . .        | '76 | . TROY, N. Y.          |
| ROCHE, WILLIAM J. . . . .                       | '99 | . NEW YORK CITY        |
| *RODGERS, DOMINIC . . . . .                     | '83 | . PHILADELPHIA, PA.    |
| RONAN, JOSEPH F. . . . .                        | '86 | . NEW YORK CITY        |
| RONAYNE, REV. PATRICK T. . . . .                | '85 | . STATEN ISLAND, N. Y. |
| RONAYNE, JOHN A., M.D. . . . .                  | '93 | . ASTORIA, N. Y.       |
| ROWAN, JOHN P., M.D. . . . .                    | '95 | . BROOKLYN, N. Y.      |
| *RUHL, ANTHONY G. . . . .                       | '95 | . NEW YORK CITY        |
| RYBACK, VICTOR E. . . . .                       | '94 | . NEW YORK CITY        |
| RYAN, EDMOND A. . . . .                         | '09 | . NEW YORK CITY        |
| *RYAN, JOHN H., M.A. . . . .                    | '86 | . NEW YORK CITY        |

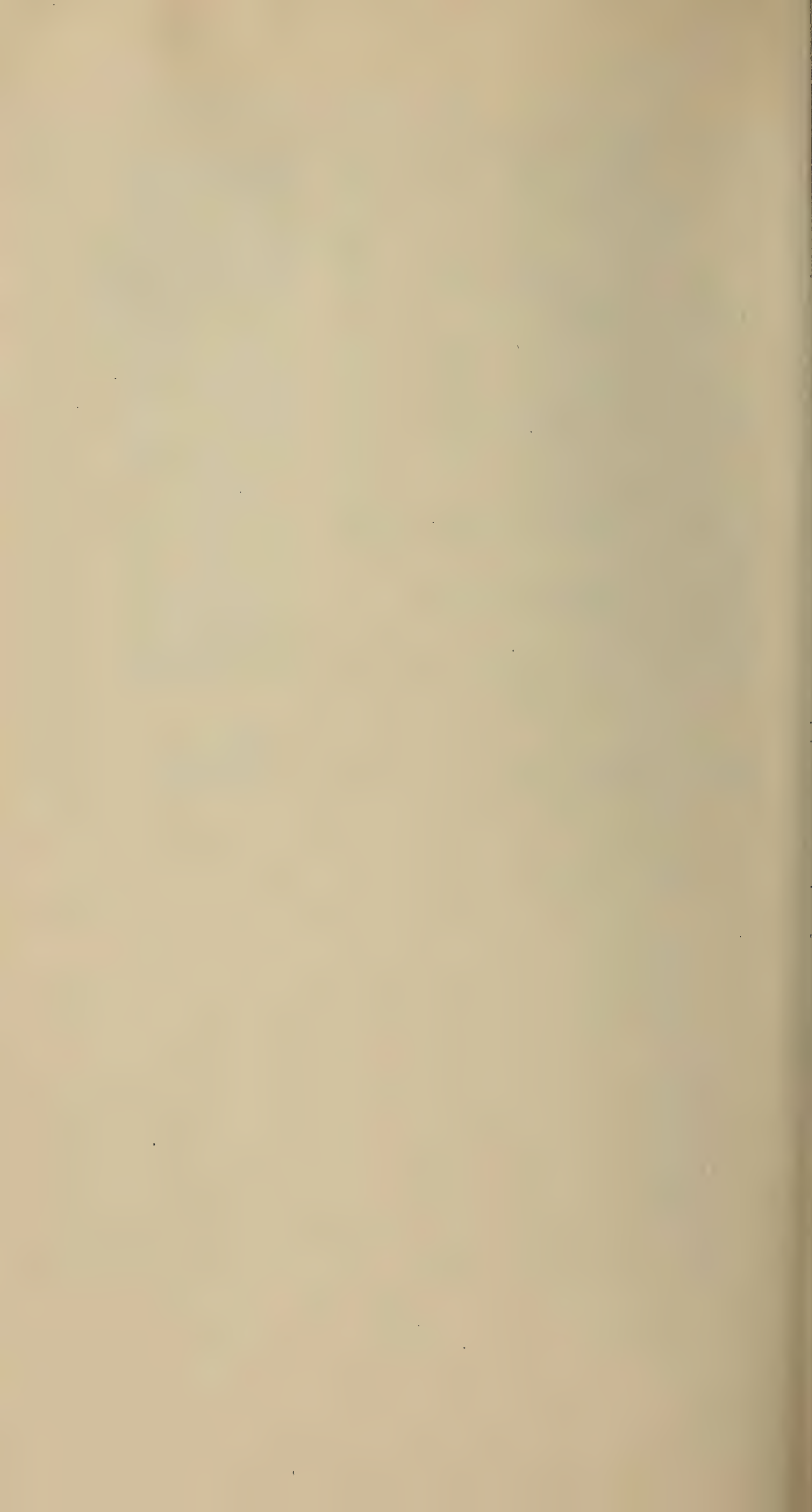


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|------------------------------------------------|-----|-------------------------|
| *RYAN, MOST REV. P. J., LL.D., <i>c.h.</i>     | '66 | PHILADELPHIA, PA.       |
| RYAN, WILLIAM A.                               | '03 | UTICA, N. Y.            |
| SAIZAN, JOSEPH P., M.A., M.D.                  | '86 | OPELOUSAS, LA.          |
| SALAZAR, JOSÉ E.                               | '10 | HAVANA, CUBA            |
| SALTER, REV. JOHN B., M.A.                     | '69 | SPRING VALLEY, N. Y.    |
| SANDER, REV. GEORGE D., M.A.                   | '84 | BROOKLYN, N. Y.         |
| SAPHORE, EDWARD E.                             | '03 | NEW YORK CITY           |
| SCHLEUTER, FREDERICK P.                        | '02 | NEW YORK CITY           |
| SCOTT, REV. PATRICK J.                         | '92 | WILTON, N. H.           |
| SEYMOUR, FIELDING A., M.S., C.E.               | '94 | NEW YORK CITY           |
| SHAHAN, RT. REV. MGR. T. J., LL.D.             | '10 | WASHINGTON, D. C.       |
| *SHALLEW, WILLIAM J.                           | '93 | YONKERS, N. Y.          |
| *SHANDLEY, THOMAS B.                           | '83 | NEW YORK CITY           |
| *SHANDLEY, EDWARD F.                           | '88 | NEW YORK CITY           |
| SHAW, JAMES J.                                 | '83 | WHITE PLAINS, N. Y.     |
| *SHEA, DENIS L., M.A., M.D.                    | '87 | NEW YORK CITY           |
| SHEA, JOHN J., M.D.                            | '93 | NEW YORK CITY           |
| SHEA, MICHAEL F.                               | '98 | MANCHESTER, N. H.       |
| SHEA, ROBERT J., M.A.                          | '09 | NEW YORK CITY           |
| SHEEHAN, WILLIAM J., M.D.                      | '92 | NEW HAVEN, CONN.        |
| SHEEHAN, ROBERT F., M.S., M.D., <i>c.h.</i>    | '06 | BUFFALO, N. Y.          |
| SHEIL, PETER A.                                | '96 | WILLIAMSBRIDGE, N. Y.   |
| SHEIL, JAMES J.                                | '97 | NEW YORK CITY           |
| SHERIDAN, FRANCIS J., M.A.                     | '75 | KINGSBRIDGE, N. Y.      |
| *SHERIDAN, REV. P. F., M.A., <i>c.h.</i>       | '81 | LONG ISLAND CITY, N. Y. |
| SHERIDAN, PETER P., C.E.                       | '03 | NEW YORK CITY           |
| SHIELDS, REV. T. E., Ph.D., LL.D., <i>c.h.</i> | '08 | WASHINGTON, D. C.       |
| SIMS, ALFRED F., M.S., <i>c.h.</i>             | '02 | ALBANY, N. Y.           |
| SINNOTT, PHILIP J., M.A.                       | '89 | NEW YORK CITY           |
| SINNOTT, REV. EDWARD M.                        | '01 | NEW YORK CITY           |
| SKELLY, LAWRENCE P., M.D.                      | '88 | SUSQUEHANNA, PA.        |
| SLATTERY, REV. JOHN T., M.A.                   | '86 | WATERVLIET, N. Y.       |
| SLEVIN, WILLIAM E.                             | '01 | NEW YORK CITY           |
| *SMITH, JOHN N.                                | '75 | NEW YORK CITY           |
| SMITH, JAMES B. F., M.A.                       | '77 | NEW YORK CITY           |
| SMITH, J. SHERRY, M.A.                         | '78 | CATSKILL, N. Y.         |
| *SMITH, THOMAS W., M.A.                        | '82 | NEW YORK CITY           |
| *SMITH, JOHN R., M.A.                          | '79 | NEW YORK CITY           |
| SMITH, GEORGE B.                               | '84 | NEW YORK CITY           |
| SMITH, REV. DENIS E.                           | '85 | COHOES, N. Y.           |
| SOUTHERN, WILFRED G.                           | '00 | NEW YORK CITY           |
| STACK, JAMES F.                                | '97 | BROOKLYN, N. Y.         |
| STACK, JOHN T.                                 | '10 | BROOKLYN, N. Y.         |

|                                       |     |                   |
|---------------------------------------|-----|-------------------|
| STAPLETON, LUKE D., M.A., <i>c.h.</i> | '89 | BROOKLYN, N. Y.   |
| *STAUD, REV. JOHN E.                  | '79 | NEW YORK CITY     |
| STEERS, THOMAS H., M.A., M.D.         | '76 | NEW YORK CITY     |
| STEHLE, FELIX C., C.E.                | '92 | NEW YORK CITY     |
| STEPATH, CHARLES U., M.S., C.E.       | '98 | NEW YORK CITY     |
| STERNs, WILLIAM S.                    | '95 | NEW YORK CITY     |
| STERNs, EDWARD P.                     | '97 | NEW YORK CITY     |
| STOKES, JOHN C.                       | '98 | NEW YORK CITY     |
| STRENSKI, REV. EMIL F.                | '04 | JAMAICA, L. I.    |
| SUAREZ, PATRICK A., C.E.              | '04 | HAVANA, CUBA      |
| *SULLIVAN, DANIEL F.                  | '76 | NEW YORK CITY     |
| SULLIVAN, REV. WILLIAM F.             | '85 | SANDWICH, MASS.   |
| SULLIVAN, REV. JOHN F.                | '86 | PROVIDENCE, R. I. |
| SULLIVAN, JOSEPH F.                   | '00 | BROOKLYN, N. Y.   |
| SULLIVAN, JEREMIAH F., M.A.           | '01 | BROOKLYN, N. Y.   |
| SULLIVAN, RAYMOND P., M.A., M.D.      | '03 | BROOKLYN, N. Y.   |
|                                       |     |                   |
| TAGGARD, JOSEPH F.                    | '10 | NEW YORK CITY     |
| TALTY, FRANCIS E.                     | '01 | BUTTONWOOD, R. I. |
| *TAYLOR, PHILIP R., M.A.              | '71 | ST. LOUIS, MO.    |
| TEWEY, JOHN F.                        | '09 | IRVINGTON, N. Y.  |
| *THEBAN, WILLIAM H., M.D.             | '91 | NEW YORK CITY     |
| THORNTON, REV. THOMAS A.              | '84 | NEW YORK CITY     |
| THORNTON, MICHAEL J., M.D.            | '97 | NEW YORK CITY     |
| TIERNEY, JOSEPH L.                    | '98 | NEW YORK CITY     |
| TIMON, JAMES E.                       | '04 | BROOKLYN, N. Y.   |
| *TOBIN, MICHAEL F.                    | '92 | NEW YORK CITY     |
| *TONE, FREDERICK A.                   | '82 | NEW YORK CITY     |
| TORPEY, REV. WALTER J.                | '83 | WHITEHALL, N. Y.  |
| TULLY, REV. JOHN F., M.A.             | '83 | CRANSTON, R. I.   |
|                                       |     |                   |
| VALLELY, WILLIAM P., C.E.             | '03 | NEW YORK CITY     |
| VICTORY, VINCENT                      | '89 | NEW YORK CITY     |
| VILLANYI, EMIL J.                     | '92 | NEW YORK CITY     |
|                                       |     |                   |
| *WALSH, FRANCIS M.                    | '75 | NEW YORK CITY     |
| *WALSH, JAMES J., M.A.                | '78 | NEW YORK CITY     |
| WALSH, JAMES J., M.D.                 | '96 | NEW YORK CITY     |
| *WALSH, JOHN J., M.A.                 | '89 | BOSTON, MASS.     |
| *WALSH, REV. MICHAEL                  | '88 | NEW YORK CITY     |
| WALSH, REV. MICHAEL A.                | '05 | NEW YORK CITY     |
| *WALSH, MICHAEL P., Ph.D.             | '90 | BROOKLYN, N. Y.   |
| WALSH, REV. PATRICK E.                | '99 | MANCHESTER, N. H. |
| WALSH, PETER D.                       | '89 | BOSTON, MASS.     |

|                                                   |     |                       |
|---------------------------------------------------|-----|-----------------------|
| WALSH, ROBERT J. . . . .                          | '01 | . NEW YORK CITY       |
| *WALSH, THOMAS C. . . . .                         | '79 | . NEW YORK CITY       |
| WALSH, THOMAS F. . . . .                          | '94 | . NEW YORK CITY       |
| WALSH, REV. MICHAEL A. . . . .                    | '05 | . NEW YORK CITY       |
| WARD, WILLIAM J. . . . .                          | '96 | . BROOKLYN, N. Y.     |
| *WARD, JOHN H., M.S. . . . .                      | '97 | . ALBANY, N. Y.       |
| WATERS, REV. JOHN A., M.A. . . . .                | '77 | . PORTCHESTER, N. Y.  |
| WEINBERG, EDWARD F. . . . .                       | '06 | . NEW YORK CITY       |
| WELCH, JOSEPH T. . . . .                          | '87 | . WASHINGTON, D. C.   |
| *WENZEL, REV. PAUL A., M.A., <i>c.h.</i> . . . .  | '82 | . SOUTH ORANGE, N. J. |
| *WERNER, JOHN P. . . . .                          | '97 | . NEW YORK CITY       |
| WHALEN, JOHN, M.A., LL.D., <i>c.h.</i> . . . .    | '98 | . NEW YORK CITY       |
| *WHELAN, WILLIAM A. . . . .                       | '83 | . WATERVLIET, N. Y.   |
| WHELAN, WILLIAM J. . . . .                        | '94 | . NEW YORK CITY       |
| WHITE, PETER P. . . . .                           | '79 | . CLIFFSIDE, N. J.    |
| WHITMORE, BENJ., M.D., LL.D., <i>c.h.</i> . . . . | '98 | . NEW YORK CITY       |
| WHITNEY, THOMAS B., C.E. . . . .                  | '97 | . NEW YORK CITY       |
| WILDE, WILLIAM E. . . . .                         | '87 | . NEW YORK CITY       |
| *WILFORD, THOMAS F., M.A., <i>c.h.</i> . . . .    | '82 | . NEW YORK CITY       |
| WILKES, ROBERT W., M.A. . . . .                   | '02 | . YONKERS, N. Y.      |
| WILLIAMS, ROSWELL D. . . . .                      | '96 | . NEW YORK CITY       |
| WOODMAN, REV. C. E., Ph.D., <i>c.h.</i> . . . .   | '83 | . NEW YORK CITY       |

|                                  |     |                     |
|----------------------------------|-----|---------------------|
| YOUNG, JOSEPH A. . . . .         | '93 | . BROOKLYN, N. Y.   |
| YORK, REV. JOHN B., M.A. . . . . | '84 | . HUNTINGTON, L. I. |



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THE HIGH SCHOOL

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## THE HIGH SCHOOL

The aim of the High School is to prepare for entrance to the College. The studies conform to the "Syllabus for Secondary Schools" of the New York State Educational Department.

The requirements for admission are the preliminary studies prescribed by the Department. The most favorable time for entrance is at the beginning of the scholastic year. The regular examinations for admission take place on the second Monday in September.

The classes are frequently examined, and students are not allowed to pass from one subject to another until they have given evidence of adequate knowledge of the subject. A student who shows by the results of the examinations that he is unable to keep up with his class will be placed in a lower grade.

The Inspector examines weekly the record of every pupil and comments upon it before the Professors and students of the class.

Summarized reports of the examinations are forwarded to the parents at the end of each term.

Since each report shows the exact standing of the student, it should be carefully examined by his parent or guardian.

Percentages are estimated as follows: From 90 to 100, excellent; from 80 to 90, very good; from 70 to 80, satisfactory; under 70, unsatisfactory.

Promotions are based on the joint results of the several examinations and the daily marks. No student will be allowed to pass from one class to another unless he has given satisfactory proof of his ability to follow the higher class.

Students who fail in the final examination may present themselves for further examination at the opening of the next term.

At least three hours a day should be given to the preparation of class work.

The active co-operation of parents with the Faculty is essential to the progress of the student. Parents are therefore requested to insist upon regular attendance and careful preparation of class work.

Students are expected to act at all times as gentlemen. No one will be retained who is insubordinate or whose society may prove undesirable.

Punctuality at all sessions and recitations is required.

A written excuse from parents or guardian is required in all cases of absence. This excuse will not be accepted in lieu of omitted class work.

Wednesday and Saturday afternoons are the regular weekly half-holidays.

Students who live in the College may not leave the grounds without authorization.

## COURSE OF STUDIES

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### FIRST YEAR.

ENGLISH. *Grammar* (3)\*—

Christian Brothers, *Principles of English Grammar*.

*Composition* (1)—

*Literature* (1)—

Lowell, *The Vision of Sir Launfaul*.

Scott, *Ivanhoe*.

Coleridge, *The Ancient Mariner*.

Parkman, *Oregon Trail*.

HISTORY. *Ancient* (3)—Wolfson, *Essentials in Ancient History*.

MATHEMATICS. *Algebra* (4)—First XVIII. chapters.

Wentworth, *Elementary Algebra*.

*Arithmetic* (1)—Review of pre-Academic Course.

Christian Brothers, *Complete Arithmetic*.

FRENCH. *Grammar* (5)

François, *Beginner's French*.

Guerber, *Contes et Legendes*, Part I.

SCIENCE. *Physical Geography* (5)

Davis, *Physical Geography*.

DRAWING. *Linear* (1)—Book I.

Christian Brothers, *Elementary Course*.

ELOCUTION. (1)

CHRISTIAN DOCTRINE (2)—First ten lessons.

Kinthead, *Catechism*, No. 3.

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\*.—The figures in parentheses indicate the number of hours per week.

## SECOND YEAR.

### FIRST TERM.

ENGLISH. *Composition* (2)—

Gardiner, Kittredge, and Arnold, *The Mother tongue*.

*Literature* (2).

Irving, *Sketch Book*.

Shakespeare, *Merchant of Venice* and *Twelfth Night*.

HISTORY. *Medieval and Modern European* (5).

Harding, *Essentials in Medieval and Modern European History*.

MATHEMATICS.

*Geometry* (3)—Books I. and II.

Wentworth, *Plane Geometry*.

*Algebra* (2)—Chapters XVIII. to XXII.

Wentworth, *Elementary Algebra*.

FRENCH. *Grammar and Literature* (4).

François, *Beginner's French*; Daudet, *Trois Contes choisis*; Labiche et Martin, *La Poudre aux Yeux*; Mairret, *La Tâche du Petit Pierre*.

GERMAN. *Grammar and Literature* (4).

Spanhooft, *Lehrbuch der deutschen Sprache*.

Guerber, *Märchen und Erzählungen*, Part I.

SCIENCE. *Biology* (5).

Hunter, *Elements of Biology*.

Bailey, *Botany*.

Burnet, *School Zoölogy*.

DRAWING. *Linear* (1). Second part of Book I.

Christian Brothers, *Elementary Course*.

ELOCUTION (1)

CHRISTIAN DOCTRINE (2)—Lessons X. to XXI.

Kinkead, *Catechism*, No. 3.

## SECOND TERM.

ENGLISH. *Composition* (2).—

Gardiner, Kittredge, and Arnold, *The Mother Tongue*.

*Literature* (2)—George Eliot, *Silas Marner*.  
Goldsmith, *The Deserted Village*.

MATHEMATICS. *Geometry* (4)—Books III., IV., and V.  
Wentworth, *Plane Geometry*.

|                     |     |                   |
|---------------------|-----|-------------------|
| HISTORY.            | (5) | } See First Term. |
| FRENCH.             | (4) |                   |
| GERMAN.             | (4) |                   |
| DRAWING.            | (1) |                   |
| ELOCUTION.          | (1) |                   |
| CHRISTIAN DOCTRINE. | (2) |                   |

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## THIRD YEAR.

### FIRST TERM.

ENGLISH. *Rhetoric* (2).

Gardiner, Kittredge, and Arnold, *The Mother Tongue*.

*Literature* (2)—*The Sir Roger De Coverley Papers*;  
Shakespeare, *Julius Caesar* and *Henry V*.

HISTORY. *English* (3).

Montgomery, *Leading Facts of English History*.

MATHEMATICS.

*Geometry* (4)—Solid.

Wentworth, *Plane and Solid Geometry*.

- FRENCH. *Literature* (4)—Halévy, *L'Abbé Constantin*; Racine, *Esther*; Enault, *Le Chien du Capitaine*; Molière, *Le Bourgeois Gentilhomme*.
- GERMAN. *Literature* (4)—Anderson, *Bilderbuch ohne Bilder*; Zschokke, *Der Zerbrochene Krug*; Hillern, *Höher als die Kirche*; Benedix, *Der Prozess*.  
Oral and written exercises based on the text read.
- DRAWING. *Linear* (2)—Book II.  
Christian Brothers, *Elementary Course*.
- PHYSICS. *Lectures and Recitations* (4).  
*Laboratory* (1). (Double Period.)  
Millikan and Gale, *First Course in Physics*.
- ELOCUTION. (1).
- CHRISTIAN DOCTRINE (3)—Lessons XXI. to XXX.  
Kinkead, *Catechism*, No. 3.

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## SECOND TERM.

- ENGLISH. *Composition and Rhetoric* (2).  
Gardiner, Kittredge, and Arnold, *The Mother Tongue*.  
*Literature* (2).  
Dickens, *Tale of Two Cities* and *David Copperfield*.  
Tennyson, *Gareth and Lynette*, *Lancelot and Elaine*, and *The Passing of Arthur*.
- MATHEMATICS. *Intermediate Algebra* (4).

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| CHRISTIAN DOCTRINE. | (2) | } See First Term. |
| ELOCUTION.          | (1) |                   |
| PHYSICS.            | (5) |                   |
| DRAWING.            | (1) |                   |
| GERMAN.             | (4) |                   |
| FRENCH.             | (4) |                   |
| HISTORY.            | (4) |                   |



## FOURTH YEAR.

### FIRST TERM.

ENGLISH. *Literature* (2)—Burke, *Speech on Conciliation with America*;

Milton, *Minor Poems*.

*Composition and Rhetoric* (2).

Gardiner, Kittredge, and Arnold, *The Mother Tongue*.

HISTORY. *American and Civil Government* (4).

Montgomery, *Students' American History*.

MATHEMATICS.

*Plane and Spherical Trigonometry* (3).

Wentworth, *Plane and Spherical Trigonometry*.

FRENCH. *Composition and Literature* (4)—François, *Introductory Prose Composition*; Racine, *Athalie*; Bernardin de Saint Pierre, *Paul et Virginie*; Molière, *L'Avare*; Muller, *Les Grandes Découvertes Modernes*; Corneille, *Le Cid*.

GERMAN. *Literature* (4)—Riehl, *Der Fluch der Schönheit*; Freytag, *Die Journalisten*; Schiller, *Wilhelm Tell*; Selections from Hatfield's *German Lyrics and Ballads*.

DRAWING. *Mechanical* (2)—Book II.

Christian Brothers, *Elementary Course*.

ELOCUTION. (1).

CHEMISTRY.

*Lectures and Recitations* (5).

*Laboratory* (1). (Double Period.)

Newell, *Descriptive Chemistry*.

CHRISTIAN DOCTRINE (2)—Lessons XXX. to XXXVII.

Kinthead, *Catechism*, No. 3.

## SECOND TERM.

ENGLISH. *Literature* (2)—Macaulay, *Life of Johnson*.  
Shakespeare, *Macbeth*.

*Composition and Rhetoric* (2).

Gardiner, Kittredge, and Arnold, *The Mother Tongue*.

## MATHEMATICS.

*Advanced Algebra* (3).

Hawkes, *Advanced Algebra*.

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| HISTORY.            | (4) | } See First Term. |
| FRENCH.             | (4) |                   |
| GERMAN.             | (4) |                   |
| DRAWING.            | (2) |                   |
| CHEMISTRY.          | (5) |                   |
| ELOCUTION.          | (1) |                   |
| CHRISTIAN DOCTRINE. | (2) |                   |

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THE SCHOOL OF COMMERCE

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## THE SCHOOL OF COMMERCE

Students who desire to prepare for mercantile life, will find every facility in the Commercial Department. This department does not limit itself to purely business branches. Subjects of general culture are also included.

English composition and letter-writing receive special attention. The student is required to treat prescribed subjects in a manner that will enable him to write with ease and elegance. Questions relating to political economy and commercial law are discussed in the class-room in order to give the student correct ideas on the vital questions of daily life. Weekly lessons are given in the art of public speaking, in order that the student may acquire an easy and graceful delivery.

The mathematics taught include a complete course of commercial arithmetic and an elementary course of algebra and geometry.

The students receive a thorough course in standard business methods and in the science of accounts.

Shorthand and typewriting are essential to the course, and ample opportunity is afforded for practice in these branches of office work.

The rules governing the School of Commerce are similar to those of the High School.

The Commercial Course comprises two years' work, and no student is admitted until he has satisfactorily completed the studies of the *second year* of the High School.

Students who complete the course receive a Certificate as a guarantee of their fitness for mercantile employment.

### PRIZES AND MEDALS.

The Brother Charles Memorial Medal, founded by the Commercial Alumni Society, is awarded to the student who has the highest record for general proficiency.

The Kean Medal for religious instruction, donated by the Rev. John J. Kean, LL.D., '66, is open to all students of the School of Commerce.

The Pommerer Medal donated by William C. Pommerer, M. A., '91, is awarded to the student who has the highest record for shorthand and typewriting.

## COURSE OF STUDIES

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### THIRD YEAR.

#### FIRST TERM.

ENGLISH (3)—I. Literature: Goldsmith, *Vicar of Wakefield*.  
Grammar, composition, parliamentary practice.

II. Commercial English. Paragraphing and condensing, commercial correspondence.

CIVICS (2)—State civics, Federal civics.

COMMERCIAL LAW (3)—Business law in general, elements of contract, notes of hand, bills of exchange, drafts and checks, agency.

FRENCH (2)—First Year—François, *Beginner's French*.

GERMAN (2)—First Year.

SHORTHAND (3)—Principles: Word signs, phrases.

TYPEWRITING (2)—Mechanism and care, touch method, duplicating, carbon work.

ELEMENTARY BOOKKEEPING (4)—Theory; use of journal, day book, cash book, ledger.

BUSINESS PRACTICE AND OFFICE METHODS (2)—Orders, bills, receipts, statements, simple partnership, agreements, etc.

COMMERCIAL ARITHMETIC (2)—Review principles, fractions, aliquot parts, denominate numbers, percentage.

BUSINESS WRITING (2)—Principles: Position, motion, drills.

ELOCUTION (1)—

RELIGION (2)—See Courses of Study, No. 129.



## THIRD YEAR.

### SECOND TERM.

ENGLISH (3)—I. Literature: Shakespeare's *Julius Caesar*.  
Grammar, composition, parliamentary practice.

II. Commercial English: Continuation of work of First Term; copying from rough draft; dictation.

### COMMERCIAL

GEOGRAPHY (2)—I. Local. Industries, manufacturing, transportation, banking.

II. State. Situation, railroads.

III. General. National, world.

COMMERCIAL LAW (3)—Sale of personal property, partnership, carriage of goods and passengers, money and banking.

FRENCH (2)—Continued.

GERMAN (2)—Continued.

SHORTHAND (2)—Continuation of work leading up to No. 1.

TYPEWRITING (2)—Forms of letters, margins, addressing envelopes, etc.

ELEMENTARY BOOKKEEPING (4)—Check book, bank book, sales book, invoice book.

BUSINESS PRACTICE (2)—Orders, notes, drafts.

COMMERCIAL ARITHMETIC (2)—Applications of percentage as far as proportion.

BUSINESS WRITING (2)—Figures, product work, marking alphabet.

ELOCUTION (1)

RELIGION (2)—See First Term.

## FOURTH YEAR.

### FIRST TERM.

ENGLISH (3) — I. Literature: Shakespeare's "*Macbeth*." Grammar reviewed. Composition: paragraphs, themes, parliamentary practice.

II. Commercial English. Continuation of work of previous years, advertisements, proof reading.

POLITICAL ECONOMY (3)—Principles: (a) Evolution of Industrial system, (b) efficiency of production, (c) consumption and demand, (d) labor and capital—Malthus (e) diminishing returns. Descriptive: (a) Socialism, (b) taxation, (c) free trade and protection, (d) labor problem.

COMMERCIAL LAW (2)—Classes of contracts, case books, statute of frauds (4 and 17 sections), negotiable instruments, law, construction and interpretation of contracts.

FRENCH (2)—Second Year.

GERMAN (2)—Second Year.

SHORTHAND (3)—Review principles, reporting principles, development of speed, phrasing, shortening principles, business and literary matter.

TYPEWRITING (3)—Transcription of shorthand, notes, speed practice, supervision of teacher, stencil work, legal forms.

OFFICE METHODS (1)—Filing, indexing, tabulating, card (in connection with typewriting lesson).

ADVANCED BUSINESS ARITHMETIC (3)—Proportion, alligation, practical measurements, rapid and accurate calculation in the four rules, interest and discount.

BUSINESS WRITING (2)—Development of speed without detriment to legibility.

ELOCUTION (1)

RELIGION (2)—See Course of Study, No. 130.

ADVANCED BOOKKEEPING (4)—Special columns, voucher system, single to double entry, capital stock, bonds, loose leaf and card systems.

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## FOURTH YEAR.

### SECOND TERM.

ENGLISH (3)—I. Literature: Macaulay's *Johnson* or Webster's *First Bunker Hill Oration*. Grammar drill, parliamentary practice. Composition: paragraphs, themes.

II. Commercial English, review and drill work of entire course.

HISTORY OF COMMERCE (3)—Ancient Commerce; medieval and early modern commerce; age of steam, and age of electricity.

COMMERCIAL LAW (2)—Elements of real property, disposal of property *i. e.*, by will. Executors and administrators; mortgages of goods and chattels or personal property, business forms, case books, discussions and debates, résumé.

TYPEWRITING (3)—Amanuensis work, tabulating, tests—35 copied, 50 dictated.

PHONOGRAPHY (3)—Preparation for No. 2.

FRENCH (2)—Second Year, Continued.

GERMAN (2)—Second Year, Continued.

OFFICE METHODS (1)—Usages and customs in general.

ADVANCED BOOKKEEPING (4)—Special original entry books, shipment and consignment books, subsidiary ledgers.

ADVANCED BUSINESS ARITHMETIC (2)—General review, metric system.

BUSINESS WRITING (2)—Continued.

ELOCUTION (1)

RELIGION (2)—See First Term.

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| DOMINGUEZ, JUAN M. . . . .    | '93 | GIBARA, CUBA         |
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| *DONNELLY, JOSEPH A. . . . .  | '89 | PAWTUCKET, R. I.     |
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| *DONNELLY, MICHAEL A. . . . . | '95 | NEW YORK CITY        |
| DORFLINGER, CHARLES . . . . . | '73 | NEW YORK CITY        |
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| FITZGERALD, MICHAEL . . . . .   | '78 | . TROY, N. Y.          |
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| FLYNN, JOHN . . . . .           | '75 | . NEW YORK CITY        |
| FOX, PATRICK . . . . .          | '76 | . NEW YORK CITY        |
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| GALLAGHER, VINCENT J. . . . .   | '85 | . BROOKLYN, N. Y.      |
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| GAUTIER, LOUIS P. . . . .       | '92 | . NEW YORK CITY        |

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| GLEASON, FRANCIS J. . . . .     | '07 | . .                    |
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| GONZALES, MIGUEL P. . . . .     | '88 | . LA PAZ, MEXICO       |
| GONZALES, PABLO M. . . . .      | '89 | . LA PAZ, MEXICO       |
| GRAHAM, JOHN M. . . . .         | '93 | . NEW YORK CITY        |
| GRIFFIN, JOHN . . . . .         | '82 | . SAN FRANCISCO, CAL.  |
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| HALL, ROBERT L. . . . .         | '78 | . JERSEY CITY, N. J.   |
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| HARDY, THOMAS S. . . . .        | '86 | . CHATAIGNIER, LA.     |
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| HERNANDEZ, RAFAEL M. . . . .    | '05 | . COAMO SPRINGS, P. R. |
| HENRY, MICHAEL F. . . . .       | '97 | . NEW YORK CITY        |
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| HINES, MICHAEL A. . . . .       | '04 | . NEW YORK CITY        |
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| HOGAN, CHARLES J. . . . .       | '95 | . NEW YORK CITY        |
| HOULIHAN, JOSEPH T. . . . .     | '04 | . NEW YORK CITY        |
| HOWE, WILLIAM F. . . . .        | '87 | . NEW YORK CITY        |
| HUEBENER, EDWARD F. . . . .     | '97 | . HOBOKEN N. J.        |
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| HUGHES, JOSEPH F. . . . .       | '04 | . NEW YORK CITY        |
| *HYLAND, FRANCIS X. . . . .     | '96 | . NEW YORK CITY        |
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| *JOHNSTON, BERNARD E. . . . .   | '75 | . YONKERS, N. Y.       |
| JUDGE, HENRY J. . . . .         | '79 | . ALBANY, N. Y.        |
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| KEELER, WILLIAM . . . . .       | '74 | . NEW YORK CITY        |
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| KELLY, JOHN J. . . . .          | '80 | . SYRACUSE, N. Y.      |
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| KILLORAN, JAMES M. . . . .      | '96 | . NEW YORK CITY        |

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| KREBS, CHARLES L. . . . .       | '03 . | NORWICH CONN.     |
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| *LARKIN, WM. R., M.D. . . . .   | '75 . | NEW YORK CITY     |
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## COLLEGE SOCIETIES

### THE APOSTLESHIP OF PRAYER.

This Society is established among the students for the purpose of fostering piety and of acquiring more thoroughly the spirit of Christianity.

### MANHATTAN COLLEGE ALUMNI SOCIETY.

The object of the Society is to keep alive among the Alumni a sentiment of affection for their Alma Mater, and to unite the graduates of successive years by a common tie of fellowship.

Regular meetings are held on Commencement day, after the graduating exercises, and on or about the 22d of February.

There are three reunions of the Society each year: at the Alumni dinner, at the Memorial Mass on Decoration day, and at the reception of the newly graduated class on Commencement day.

### MANHATTAN COMMERCIAL ALUMNI SOCIETY.

The Manhattan Commercial Alumni Association was organized September 5, 1901. Two meetings are held yearly.

### DE LA SALLE LITERARY SOCIETY.

This Society is confined to the students of the Senior year. The end proposed is the free discussion of questions pertaining to Philosophy, which have been suggested, but not fully treated in the class-room. The Professor of Philosophy acts as Moderator.

### NEWMAN LITERARY SOCIETY.

The members of the Junior Class form this Society. The exercises, consisting of original essays and debates on literary or other subjects, are held weekly. The Professor of English Literature acts as Moderator.

### HUGHES LITERARY SOCIETY.

This Society consists of the students of the Sophomore year. Meetings are held twice a month, the principal exercises of which are debates on historical and scientific subjects, and on questions of the day, as well as essays on various topics. The senior Professor of the class acts as Honorary President.

### MCCLOSKEY LITERARY SOCIETY.

This Society, composed of the members of the Freshman Class, holds its regular meeting on Friday afternoon. The exercises consist principally of debates on various subjects to train the students to fluency of speech and readiness in argument.

### CORRIGAN LITERARY SOCIETY.

The students of the Fourth Year High School have formed a literary society, which they have named after the late Archbishop of New York. They hold regular monthly meetings, and sometimes class-exercises, to which the College students are invited.

### THE FARLEY DEBATING SOCIETY.

This Society is composed of the Senior students of the Commercial Department. Weekly meetings are held at which subjects pertaining to business and commerce are discussed. The study of parliamentary law is insisted on and great stress is laid on correct diction. Debates and literary exercises alternate at the weekly meetings. The Principal of the Department acts as Moderator.

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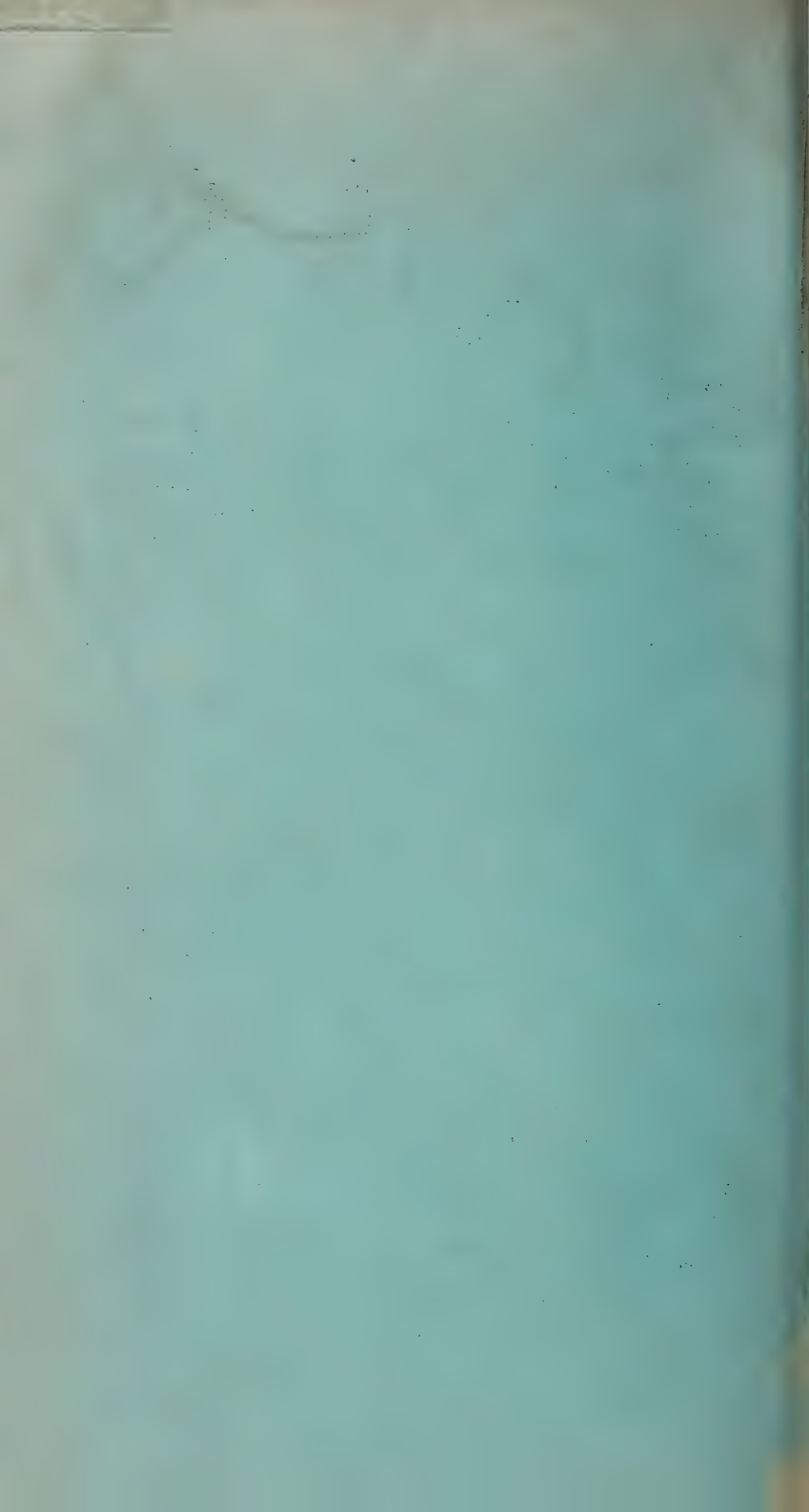
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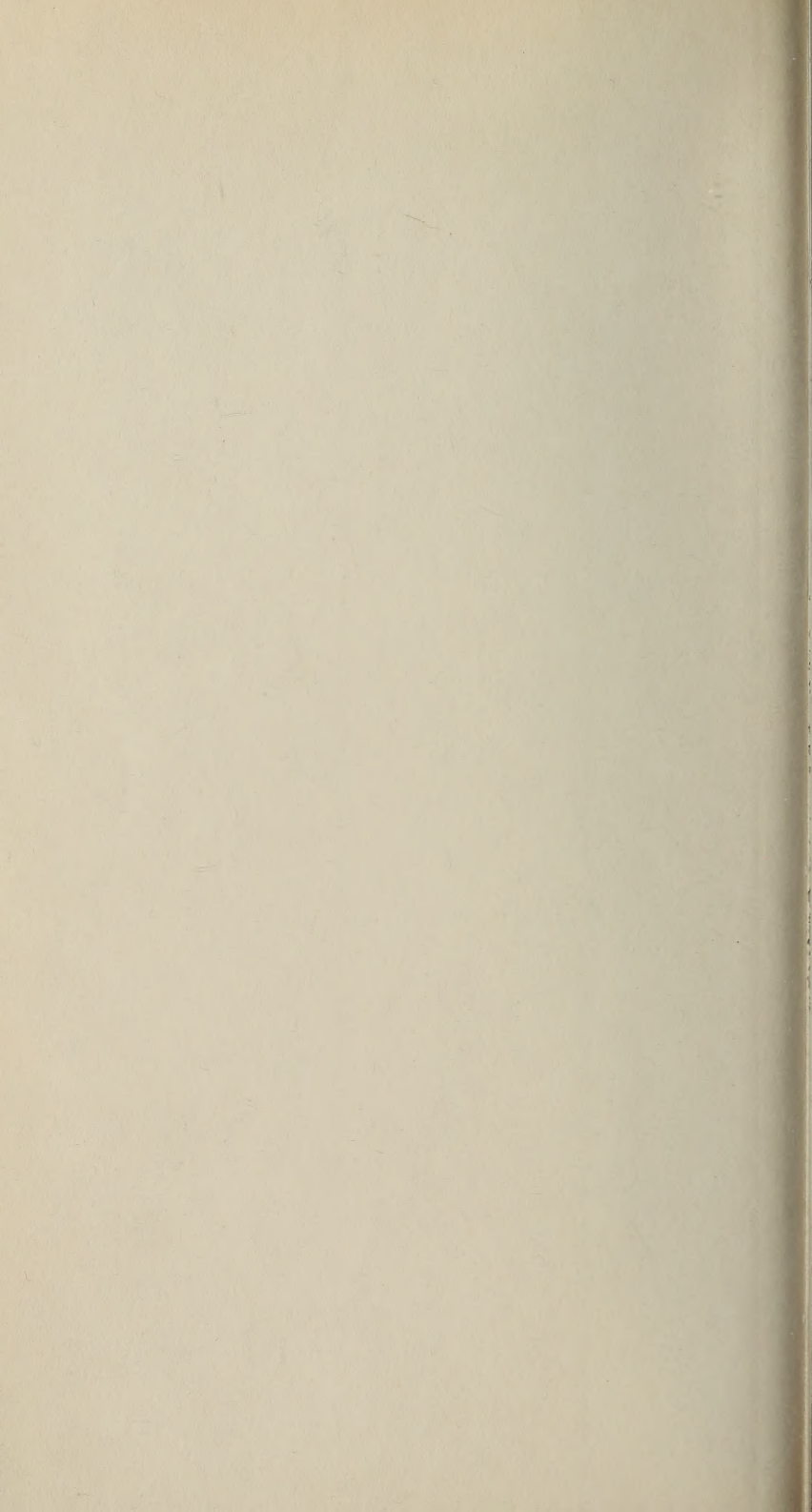








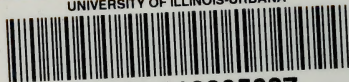








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